K.L.E. SOCIETY'S
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI – 591201.
Re-accredited with "A" grade by NAAC
Recognised as CPE by UGC
Website: klesbkcollegechikodi.co e-mail: kles_bkcc@rediffmail.com : 08338 – 272176

DEPARTMENT OF BOTANY
INDUCTION TEST OEC 2021-22

Marks Sheet

Sl.No.	Roll No.	Name	Marks Obtained(20)	II P.U.C. %	Average
1	30	Bhimrao Sajane	13	91.33	52.165
2	39	Heena Kousar Siddiqui	8	75.16	41.58
3	41	Kavita Mechchannavar	6	72.66	39.33
4	70	Nusrat Sayyed	9	82	45.5
5	72	Ritesh Powar	9	92.33	50.665
6	92	Rutuja Chonchannavar	7	81	44
7	97	Samruddhi Gidaveer	11	80	45.5
8	110	Sneha Kambar	6	73.67	39.835
9	132	Vishal Wadwade	10	68.83	39.415
		Class Average	8.77	79.66	44.22

Class Average	44.22
Students Appeared	9
Slow learners	5

Sl.No.	Roll No.	Name	Marks Obtained(20)	II P.U.C. %	Average
1	41	Kavita Mechchannavar	6	72.66	39.33
2	132	Vishal Wadwade	10	68.83	39.415
3	110	Sneha Kambar	6	73.67	39.835
4	39	Heena Kousar Siddiqui	8	75.16	41.58
5	92	Rutuja Chonchannavar	7	81	44

Advanced learners	4

1	70	Nusrat Sayyed	9	82	45.5
2	97	Samruddhi Gidaveer	11	80	45.5
3	72	Ritesh Powar	9	92.33	50.665
4	30	Bhimrao Sajane	13	91.33	52.165

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DEPARTMENT OF BOTANY

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K.L.E Society's

Basavaprabhu Kore Arts, Science and Commerce college, Chikodi

Department of Zoology

B.Sc I Semester DSC

Talent Level Assesment Test 2021-22

B.Sc I Semester DSC

Sl. No	Roll No	Student name	PUC %	PUC marks (600)	Biology (100))	TLAT (50)	TOTAL (750)	%
1	9	Aditya A Nilajyoti	76.16	457	75	Absent	532	70.93
2	23	Ankita G Vaddar	72	432	77	Absent	209	67.86
3	25	Arpita R Naik	52.83	317	50	22	389	51.86
4	28	Bhagyoday Kivadannavar	61.8	371	55	Absent	426	56.8
5	30	Bhimrav A Sajane	91.3	548	88	42	678	90.4
6	35	Deepa B Managanvi	92.6	556	89	22	667	88.93
7	39	Heenakousar Siddiqui	75.1	451	72	Absent	523	69.73
8	41	Kavita L Mechchannavar	72.6	436	70	16	522	69.6
9	51	Madiha M Mula	70.6	424	70	24	518	69.06
10	55	Mahantesh G Devangol	65.5	393	73	42	508	67.7
11	65	Nagesh A Kagavade	90.5	543	90	32	665	88.66
12	67	Navyasrushti N Dambal	61.5	369	52	Absent	421	56.13
13	66	Namrata S Chinmath	47.8	287	61	Absent	348	46.4
14	70	Nusrat Sayyad	82.1	493	84	Absent	577	76.93
15	72	Pawar R Ritesh	92.3	554	93	34	681	90.8
16	73	Poonam B Malage	81.5	489	76	24	589	78.5
17	87	Rohan A Kamble	61.5	369	57	Absent	426	56.8
18	90	Roopa R Desai	92.6	487	73	30	673	89.73
19	92	Rutuja R Chonchannavar	81.1	487	73	Absent	560	74.66
20	97	Samruddhi V Gidaveer	80	480	73	28	581	77.46
21	110	Sneha H Kambar	73.6	442	63	8	513	68.4
22	130	Veena Masaguppi	71.6	430	77	20	527	70.26
23	132	Vishal A Vadawade	68.8	413	66	36	515	68.66
24	134	Vishal S Aihole	50.3	302	55	Absent	357	47.6
25	135	Yallakka N Khot	83.83	503	77	30	610	81.33
26	138	Laxmi N Payappagol	65.3	392	59	16	467	62.26

Based on PUC marks and TLAT marks the class average is 70.67%. Students who have scored less than 70.67% are considered as slow learners and above this % are advanced learners

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Basavaprabhu Kore Arts, Science and Commerce college, Chikodi
Department of Zoology
B.Sc I Semester DSC

List of Advanced learners 2021-22

Sl. No	Roll. No.	Name of the student
1	30	Bhimrav A. Sajane
2	35	Deepa B. Managanvi
3	65	Nagesh A. Kagawade
4	70	Nusrat G. Sayyad
5	72	Pawar R. Ritesh
6	73	Poonam B. Malage
7	90	Roopa R. Desai
8	92	Rutuja R. Chonchannavar
9	97	Samruddhi V. Gidaveer
10	135	Yallakka N. Khot

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K.L.E. Society's
Basavaprabhu Kore Arts, Science and Commerce college, Chikodi
Department of Zoology

B.Sc I semester (OEC)

Talent level Assesment Test 2021-22

B. Sc I semester OEC

Sl.No	Roll. No	Name of the student	PUC %	PUC marks (600)	Biology (100)	TLAT (50)	TOTAL (750)	%
1	18	Akshata M. Kore	61.33	368	56	12	436	58.13
2	40	Kavita G. Jadhav	77.5	465	70	32	567	75.6
3	56	Meenakshi G. Naik	83.83	503	88	28	619	82.53
4	64	Muzafar A. Kalaigar	65.66	394	66	Absent	460	61.33
5	77	Pratik A. Magadum	54	405	61	34	500	66.66
6	84	Rajashree M. Tirodkar	72.93	547	91	32	670	89.33
7	99	Sangeeta K. Bambalwad	73.33	550	87	32	669	89.2
8	115	Sourabh Rendale	51.66	310	50	38	398	53.06
9	127	Uttam S. Varute	68.33	410	63	36	509	67.86

Based on PUC marks and TLAT marks the class average is 71.52% Students who have less than 71.52% are considered as Slow learners and above this % are considered as Advanced learners

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Department of Zoology
B.Sc I Semester OEC

List of Slow and advanced learners based on the average % of the class
2021-22

Slow Learners		
Sl. No	**Roll. No**	**Name of the student**
1	18	Akshat M. Kore
2	64	Muzafar A. Kalaigar
3	77	Pratik A. Magadum
4	115	Sourabh Rendale
5	127	Uttam S. Varute

Advanced Learners		
Sl.No	**Roll. No.**	**Name of the Student**
1	40	Kavita G. Jadhav
2	56	Meenakshi G. Naik
3	84	Rajashree M. Tirodkar
4	99	Sangeeta K. Bambalwade

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DEPARTMENT OF ENGLISH

Details of Slow and Advanced Learners

2021-22

Sl. No.	Roll No.	Name of the Student	PU Marks	% PU	Specific Subject Marks at PU	TLAT Marks	Average %	Slow / Advanced
1	1	ABHISHEK M KAVATAGIMATH	351	58.5	68	AB	--	AL
2	4	AMAR H NILAGUND	527	87.83	94	24/96	92.33	AL
3	6	ANKIT G KAMBLE	316	52.66	60	14/56	56.22	AL
4	23	JYOTI B GUDASE	529	88.16	88	21/84	86.72	AL
5	30	KAVYA S SHAHAPUR	366	61	76	22/88	75	AL
6	33	LAXMAN K KURANI	356	59.33	66	AB	--	AL
7	38	MUSKAN S SAYYAD	577	96.16	95	23/92	94.38	AL
8	46	PRASHANT G TONNE	388	64.66	81	19/76	73.88	AL
9	49	PREETKUMAR K UMMAYI	414	69	91	21/84	81.33	AL

10	50	PRERANA S BAGEWADI	378	63	67	07/28	52.66	SL
11	51	PRIYANKA K PUJARI	452	75.33	88	20/80	81.11	AL
12	58	RUCHITA M HONNAKATTI	590	98.33	92	20/80	90.11	AL
13	64	SAKSHI N MADIHALLI	309	51.5	47	16/64	54.16	AL
14	74	SIDDAPPA M DATTAWADE	--	--	--	AB	--	--
15	83	TOHID H NADAF	350	58.33	62	10/40	53.44	SL
***Out of 15 students, 02 are slow learners and 12 are advanced learners *01 is absent.**						**Class Average**	**54.01%**	**02SL & 12/AL**

Teacher in-Charge

Head, Dept. of English

Head
Department of English

Prineipal

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DEPARTMENT OF ECONOMICS

List of Advanced learners

Student's performance in PUC Examination and Induction Test ofter admission B.A. First Semester 2021-22

SI. NO	Roll No	Name of the Student	PUC%	Economics Marks out of 100	Induction Test is Marks out of 25	Grand Total	Average	Remarks Advanced Learner
01	02	Aishwarya Power	83.33	72	23	95	76.00	AL
02	08	Arihant C. Hajare	54.66	54	24	78	62.4	AL
03	11	Ashwini Devanagol	73.66	60	24	84	67.2	AL
04	12	Banupriya Bekkeri	63.33	54	24	78	62.4	AL
05	17	Chandrika Shambhu	60.83	57	24	81	64.8	AL
06	21	Hanamant Sanadi	55.16	54	22	76	60.8	AL
07	22	Hanamant Hammar	55.5	49	24	98	78.04	AL
08	26	Kalmesh Nidososi	54.83	55	24	88	70.04	AL
09	41	Pandurang Alagandi	67.5	67	25	90	72.00	AL
10	55	Rasila Vasawade	56.66	54	23	77	61.6	AL
11	57	Rohit Mulik	56.6	51	25	76	60.8	AL
12	61	Sachin Konganoli	62.33	59	24	83	66.4	AL
13	63	Saksui Kamble	97.33	95	23	118	94.4	AL
14	67	Sanket Mali	79.00	77	24	100	80.00	AL
15	68	Santosh Musaguppi	60.16	64	25	89	71.2	AL
16	70	Seema Shedabale	74.24	77	24	101	80.8	AL
17	74	Siddappa Dattawade	72.5	69	24	93	74.4	AL
18	76	Soumya Balikayi	54.5	53	24	77	61.6	AL
19	78	Sudeep Chougale	85.16	79	25	104	83.2	AL
20	81	Swati Madihalli	66.33	64	24	88	70.4	AL
21	89	Vinod Masaguppi	56.66	56	24	80	64.00	AL

22	91	Vittal Yadagude	59.00	70	25	95	76.00	AL

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Dept of Economics

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DEPARTMENT OF SOCIOLOGY

TALENT LEVEL ASSESSMENT TEST&

Details of Slow and Advanced Learners

2021-22

Sl. No.	Name of the Student	PU Marks	% PU	Specific Subject Marks at PU	TLAT Marks	Average %	Slow / Advanced
1	Aishwary Pawar	385	64.16	74	13	65.10	AL
2	ArihantHajare	441	73.66	73	14	72.06	AL
3	Arun Hirekurbar	469	78.16	88	14	78.75	AL
4	Ashwini Devagol	407	67.83	80	15	69.24	AL
5	BasavrajGurvgol	380	63.66	80	14	65.37	AL
6	Basavaraj Tubake	424	70.66	74	10	70.06	AL
7	Kadesh Domber	288	48.00	52	12	48.55	SL
8	Kalappa Kure	323	53.83	56	12	53.93	AL
9	KalmeshNidsosi	345	57.50	60	12	57.51	AL
10	Kavya Bekkeri	448	74.66	75	14	74.06	AL
11	KushalsingRakjaput	509	84.83	82	16	83.72	AL
12	LagmaUppar	268	44.66	50	10	45.24	SL
13	Pandurang Alagundi	420	70.00	80	12	70.62	AL
15	Pratmesh Kadam	432	72%	82	18	73.88	AL
16	Ramesh Iati	408	68%	60	15	67.68	AL
17	SammedBadanikai	313	52.1%	51	16	52.48	AL
18	Sanketmali	321	53.5%	66	13	64.51	AL
19	Santosh Musaguppi	326	54.33%	67	17	66.12	AL
20	ShivaputraKhot	300	50%	50	14	50.64	AL
21	Sidapa Danger	297	49.7%	55	15	59.19	AL

22	Sudeep Chougale	330	55%	61	16	55.80	AL
23	Vinod Pidai	215	35.83%	30	13	41.61	SL
24	Vinod Musaguppi	367	61.16%	72	17	73.54	AL
25	VittalYadagude	345	57.50	60	12	57.51	AL
26	YamanappaPadtari	288	48.00	52	12	48.55	SL
					Average	**61%**	

Note : The average class persentage is 61% we have considered those students who have scored less than 50% as slow learners and those students who have scored more trhan 60% considerd as adcance lerner

Advance learners : 21

Slow learners : 04

Date : 05/10/2021

Head, Dept. of Sociology

K.L.E.'s Basavaprabhu Kore Arts, Sci. & Com. College NAAC ACCREDITATION A+ CGPA 3.42 CHIKODI-591201

Principal

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Department of History

Details of Slow learners and avanced learners :2021-22

Sl.No	Name of the students	SUB Marks	PUC %	Induction test	G. Total	Average	Remarks
1	ABHISHEK M KAVATAGIMATH	56	58.5	95	209.5	69.83	AL
2	AMAR H NILAGUND	85	87.83	95	267.83	89.27	AL
3	ANKIT G KAMBLE	51	52.66	100	203.66	67.88	AL
4	ARATI D NAGARALE	62	63.5	95	220.5	73.5	AL
5	ARUN N HIREKURABAR	64	59	100	223	74.33	AL
6	ASHWIN A HASABI	91	90.83	100	281.83	93.94	AL
7	ASHWINI S DEVANAGOL	78	73.66	100	251.66	83.88	AL
8	BEERA S PADOLKAR	73	74	100	247	82.33	AL
9	BHIMMBIKA S JOGALEKAR	67	75	100	242	80.66	AL
10	CHANDRIKA A SHAMBHU	61	60.83	100	221.83	73.94	AL
11	GAJANAND H NAVI	81	71.66	100	252.66	84.22	AL
12	GIRIJA B HIREMATH	51	56.33	95	202.33	67.44	AL
13	HANAMANT B SANADI	57	55.16	90	202.16	67.38	AL
14	HANAMANT M HAMMAR	57	55.5	90	202.5	67.5	AL
15	JYOTI B GUDASE	91	88.11	95	274.11	91.37	AL
16	KATTEPPA BELOORI	63	84.66	100	247.66	82.55	AL
17	KAVYA M BEKKERI	83	84.66	100	267.66	89.22	AL
18	MAHESH A KOGALE	63	67.33	95	225.33	75.11	AL
19	POOJA S GUNDAKALLE	58	60.66	95	213.66	71.22	AL
20	PRAJWAL P GUDODAGI	67	67.33	95	229.33	76.44	AL
21	PRAJWAL S HONAMANE	50	49	95	194	64.66	AL
22	PRASHANT G TONNE	58	64.66	90	212.66	70.88	AL
23	PREETKUMAR HUMAYI	41	46.5	95	182.5	60.83	AL
24	PRERANA S BAGEWADI	58	63	95	216	72	AL
25	PRIYANKA PUJARI	77	75.33	95	247.33	82.44	AL
26	RAKESH D HERALAGI	59	63.66	95	217.66	72.55	AL
27	RENU R TAMMANNAVAR	79	79.5	90	248.5	82.83	AL
28	RACHITA R MALI	71	82.33	90	243.33	81.11	AL
29	RUKMINI S KAMATE	78	75.5	100	253.5	84.5	AL
31	SACHIN S KONGANOLI	68	62.33	95	225.33	75.11	AL
32	SAGARKUMAR KAMBLE	56	61	90	207	69	AL
33	SATISH UMARANE	61	69.66	100	230.66	76.88	AL
34	SEEMA SHEDABALE	70	74	20	164	54.66	AL
35	SPORTI S HIREMATH	56	57.66	100	213.66	71.22	AL
36	SUDEEP S HUDDAR	52	53	100	205	68.33	AL
37	TEJASWINI V GUDASE	76	72.43	95	243.43	81.14	AL
38	VARSHA R KAMATE	50	48	95	193	64.33	AL
39	VIDYA P PUJARI	56	60.66	90	206.66	68.88	AL
40	VINOD S PIDAYI	60	59.83	90	209.83	69.94	AL
41	RAMADEVI M MOTTANNAVAR	57	59.5	100	216.5	72.16	AL

1 abova Class Average : 50%

2 Abova Class Average : Advanced Lernar

3 Below Class Average : Slow Lernar

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Department of History

Principal

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DEPARTMENT OF HINDI

Induction Test

Marks statement for the year 2021-22

Date-10-11-2021

Marks-20

SL.No	ROLL No	Name of the student	PUC Marks 600	Sub Marks	Induction Marks	Total Marks	Percentage
01	13	Bheemambika S Jogalekar	450	98	20	568	78.88%
02	14	Basavraj A Tubake	360	95	16	471	65.41%
03	47	Prathamesh B Kadam	369	70	16	455	63.19%
04	48	Preeti Shinge	279	77	18	374	51.94%
05	52	Rakesh Heralage	382	68	18	468	65%
06	80	Soorajsingh S rajput	370	75	18	463	64.30%
07	84	Varsha R Kamate	290	84	20	394	54.72%
							63.34%

Advance learners	Bheemambika S Jogalekar
	Basavraj A Tubake
	Rakesh Heralage
	Soorajsingh S rajput
	Prathamesh B Kadam
Slow learners	Preeti Shinge
	Varsha R Kamate

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DEPARTMENT OF COMMERCE

Advance Learners 2021-22

Sl. No	Roll No	Name of the Students	PUC Marks		Average of PUC marks	Induction Test Marks	Avg. %	Remarks
			Business Studies	Accountancy				
1	2	AISHWARY A TELI	76	92	84	18	72.9	Advance learner
2	4	AISHWARYA R KURANE	73	82	77.5	20	69.6	Advance learner
3	5	AISHWARYA R TELI	66	69	67.5	18	61.1	Advance learner
4	8	AKSHAY B PATIL	71	83	77	20	69.3	Advance learner
5	10	ANAS R HALAGALE	73	84	78.5	20	70.4	Advance learner
6	11	ANIL S BILAGE	67	69	68	20	62.9	Advance learner
7	13	ARIHANT A PATIL	68	94	81	10	65.0	Advance learner
8	14	BHAVANI M HUNNUR	82	94	88	12	71.4	Advance learner
9	18	BIBIHAZRA A RAMZAN	70	66	68	20	62.9	Advance learner
10	21	CHIKODI CHINMAY SHIVASHANKAR	70	66	68	18	61.4	Advance learner
11	22	CHINTAN H PATEL	66	73	69.5	20	63.9	Advance learner
12	23	DEVAGOUDA V PATIL	83	83	83	14	69.3	Advance learner
13	25	DHANESHWARI K RUDRAGOUDAR	74	65	69.5	26	68.2	Advance learner
14	26	GANESH C PAWAR	68	77	72.5	16	63.2	Advance learner
15	28	IRAGOUDA SOLABANNAVAR	60	70	65	20	60.7	Advance learner
16	29	Jaideep Gayakwad	60	70	65	22	62.1	Advance learner
17	30	JYOTHI K GOTUR	76	56	66	20	61.4	Advance learner
18	33	JYOTI M KHOT	73	72	72.5	24	68.9	Advance learner
19	34	JYOTI S MAYANNAVAR	62	80	71	24	67.9	Advance learner
20	35	LAXMI C MIRJE	73	80	76.5	18	67.5	Advance learner
21	36	LAXMI S ALAGARAHUT	96	94	95	26	86.4	Advance learner
22	37	MADHUR R PARAKANATTI	86	89	87.5	ab	62.5	Advance learner
23	38	MAHENDRA P CHITALE	59	79	69	24	66.4	Advance learner
24	39	MAHESH B VAGGE	67	78	72.5	12	60.4	Advance learner
25	40	NIKITA K MALI	97	91	94	23	83.6	Advance learner
26	44	NIKITA R DHANAGAR	88	92	90	16	75.7	Advance learner
27	45	OMKAR B NIRMALE	57	73	65	20	60.7	Advance learner
28	46	PALLAVI D MADRASI	68	80	74	26	71.4	Advance learner
29	47	PAVAN J PATIL	74	83	78.5	16	67.5	Advance learner
30	48	PAVANKUMAR HALAKARNI	64	78	71	18	63.6	Advance learner
31	49	PRADEEP S MURANALE	77	81	79	24	73.6	Advance learner

32	50	PRAJAKTA C SHINDE	95	86	90.5	24	81.8	Advance learner
33	51	PRAMOD V KAMBLE	85	93	89	22	79.3	Advance learner
34	52	PRAVIN G WARAKE	79	89	84	20	74.3	Advance learner
35	53	RAHUL P MURAGALI	64	81	72.5	20	66.1	Advance learner
36	55	RAMESH M MUGALI	65	78	71.5	20	65.4	Advance learner
37	57	RASIKA R KOLI	91	91	91	28	85.0	Advance learner
38	58	REENA R NINGAPPAKHOT	82	89	85.5	28	81.1	Advance learner
39	59	REHAN H NADAF	83	86	84.5	20	74.6	Advance learner
40	61	ROHINI M KHOMBARE	76	78	77	16	66.4	Advance learner
41	62	ROHINI D BHIKKUMALI	80	83	81.5	14	68.2	Advance learner
42	63	ROHIT R KHOT	57	83	70	18	62.9	Advance learner
43	65	SACHIN MANGAJ	63	76	69.5	16	61.1	Advance learner
44	66	SAKSHATA R SANADI	67	80	73.5	30	73.9	Advance learner
45	68	SAKSHI A HONAMANE	92	86	89	28	83.6	Advance learner
46	69	SAKSHI R AWATE	71	87	79	16	67.9	Advance learner
47	70	SAKSHI P KOKANE	88	87	87.5	24	79.6	Advance learner
48	71	SAMMED DODDANNAVAR	64	72	68	24	65.7	Advance learner
49	72	SANIKA S KAROSHI	71	70	70.5	24	67.5	Advance learner
50	73	SANIKA V GARAD	97	97	97	14	79.3	Advance learner
51	75	SHIVARAJ R PATIL	73	74	73.5	14	62.5	Advance learner
52	77	SINDHU S MURACHITTE	96	100	98	30	91.4	Advance learner
53	78	SPOORTI S SHINGE	59	68	63.5	22	61.1	Advance learner
54	79	SRUSHTI S MUSANDI	86	85	85.5	26	79.6	Advance learner
55	80	SUDHARANI D NAIK	82	87	84.5	18	73.2	Advance learner
56	86	SUKANYA B MALAGE	83	88	85.5	ab	61.1	Advance learner
57	88	SUPRIYA A HONAMANE	91	92	91.5	32	88.2	Advance learner
58	93	TRUPTI K HULIKOPPE	64	76	70	24	67.1	Advance learner
59	94	USHA R TULASIGERI	73	74	73.5	20	66.8	Advance learner
60	95	VINAYAK N MINACHE	90	88	89	ab	63.6	Advance learner
61	96	VINAYAK T NARUMALI	76	91	83.5	16	71.1	Advance learner
62	97	VINAYAK V INGALE	83	82	82.5	24	76.1	Advance learner
63	98	VINAYAK K KUMBAR	65	77	71	18	63.6	Advance learner
64	99	VINAYASHREE HONAMANE	78	89	83.5	26	78.2	Advance learner
65	100	YASEEN S NADAF	87	79	83	16	70.7	Advance learner
66	102	MANMOHAN R NIPPANI	86	68	77	20	69.3	Advance learner

- **The students who scored more than 61.72% are considered as Advance learners.**

H.O.D

Principal

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Arts, Science and Commerce College
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K.L.E. SOCIETY'S

BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKODI – 591 201.

(ACCREDITED AT 'A' WITH 3.26 CGPA IN 3rd CYCLE OF A & A)
Website: klesbkcollegechikodi.com ☎ : 08338 – 272176 Email – kle_bkcc@rediffmail.com

DEPARTMENT OF COMMERCE

Slow Learners 2021-22

Sl. No	Roll No	Name of the Students	PUC Marks		Average of PUC marks	Induction Test Marks	Avg. %	Remarks
			Business Studies	Accountancy				
1	1	ADARSH S LAKKANNAVAR	69	68	68.5	16	60.4	Slow Learner
2	6	AISHWARYA S SHINDE	60	63	61.5	18	56.8	Slow Learner
3	9	AKSHAY R KUMBAR	55	55	55	18	52.1	Slow Learner
4	12	ANKITA A NANDANI	62	63	62.5	14	54.6	Slow Learner
5	14	ARPITA A PUJARI	78	76	77	ab	55.0	Slow Learner
6	16	BABU J BARAGE	57	59	58	20	55.7	Slow Learner
7	17	BHARATESH R CHOUGALA	61	62	61.5	20	58.2	Slow Learner
8	19	BHIMU V SINGADI	60	58	59	20	56.4	Slow Learner
9	20	BHUMIKA C PATIL	60	45	52.5	18	50.4	Slow Learner
10	24	DAYANAND B WADER	56	60	58	22	57.1	Slow Learner
11	27	GAJANAN S SOLABANNAVAR	66	69	67.5	16	59.6	Slow Learner
12	31	JAYALAXMI R KATTIMANI	64	61	62.5	20	58.9	Slow Learner
13	32	JOTIBA A DHANAWADE	50	48	49	10	42.1	Slow Learner
14	43	NARASU D KHADDANNAVAR	66	72	69	12	57.9	Slow Learner
15	45	NIKITA N MAGADUM	75	85	80	ab	57.1	Slow Learner
16	54	PRAVEEN B MAMADAPURE	55	57	56	20	54.3	Slow Learner
17	60	RAYAGOUDA S DATTAWADE	57	61	59	18	55.0	Slow Learner
18	67	RUSHIKESH A MUNDE	55	55	55	24	56.4	Slow Learner
19	71	SAKSHI A MALI	61	80	70.5	ab	50.4	Slow Learner
20	74	SAMMED A KAGE	56	64	60	18	55.7	Slow Learner
21	76	SANDESH R TORASE	65	65	65	ab	46.4	Slow Learner
22	79	SANKALP R BANAKARE	72	72	72	ab	51.4	Slow Learner
23	80	SANTOSH S CHOUGALE	74	75	74.5	ab	53.2	Slow Learner
24	81	SAQIBRAZA I MOKSHER	54	64	59	ab	42.1	Slow Learner
25	82	SARDESAI RUSHIKESH ATUL	51	62	56.5	12	48.9	Slow Learner
26	83	SHANTHINATHA P KHICHADE	64	67	65.5	12	55.4	Slow Learner
27	84	SHARADA S KHADI	55	59	57	ab	40.7	Slow Learner
28	85	SHASHANK MALI	65	69	67	16	59.3	Slow Learner
29	86	SHEETAL M SANKAPAL	76	76	76	ab	54.3	Slow Learner

30	87	SHIVANAND R HONAMANE	66	72	69	12	57.9	Slow Learner
31	89	Shreyas Potadar	55	69	62	8	50.0	Slow Learner
32	90	SHRUSHTI S SHINGE	52	68	60	18	55.7	Slow Learner
33	91	SHRUTIKA S KHOT	62	63	62.5	16	56.1	Slow Learner
34	92	SIDDAGOUD M BAGI	60	71	65.5	14	56.8	Slow Learner
35	96	SUDEEP R SAMAJ	68	82	75	ab	53.6	Slow Learner
36	98	SUKETA L BORANNAVAR	66	63	64.5	ab	46.1	Slow Learner
37	101	TOSHIF S SALATE	56	61	58.5	ab	41.8	Slow Learner
38	104	VIKRAM VRUSHAB JANAJ	55	64	59.5	16	53.9	Slow Learner
39	105	VINAYAK M PATIL	74	85	79.5	ab	56.8	Slow Learner
40	112	YOGESH R TALAWAR	69	62	65.5	18	59.6	Slow Learner

- **The students who scored less than 61.72% are considered as slow learners.**

H.O.D

PRINCIPAL
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Arts, Science and Commerce College
CHIKODI - 591 201

Remedial classes for B.Sc. I. Slow learners.

2021 - 2022

K. L. E. SOCIETY'S

Basavaprabhu Kore Arts, Science & Commerce College,

CHIKODI-591 201

REGISTER OF ATTENDANCE

20.21.-20.22

Dept. of Chemistry

TEACHER'S NAME: _____

SUBJECT : Chemistry

CLASS : B.Sc. I

SECTION : _____

Commencement of remedial classes is from 18/11/2021.
1st semester.

Class : B.Sc. I Subject : Chemistry

No. in General Reg.	No.	Student's Name (Surname, Name and Father's Name)	18/11/21	19/11/21	26/11/21	27/11/21	29/11/21	30/11/21	03/12/21	04/12/21	9	10	11	12	13	14	15	ATTEN
			1	2	3	4	5	6	7	8								
18.		Akshata Mahadev. Kore.	1	2	3	4	5	6	7	8								
23.		Ankita. Vaddar.	1	2	3	4	5	6	7	8								
37.		Guruprasad Hiremath.	1	2	3	4	5	6	7	8								
42.		Khaleel Makanadar.	1	2	3	4	5	6	7	8								
53.		Mahanarda Mali	1	2	3	4	5	6	7	8								
76.		Prajwal chougala.	1	2	3	4	5	6	7	8								
77.		Pratik. Magadum.	1	2	3	4	5	6	7	8								
87.		Rohan Shashikiran Kambale	1	2	3	4	5	6	7	8								
96.		Sambhaji Raju Khot.	1	2	3	4	5	6	7	8								
110.		Sneha. Halapa. Kambar.	1	2	3	4	5	6	7	8								
112.		Sooraj Balasab. Pawar	1	2	3	4	5	6	7	8								
		Name of the faculty.	V B K	S M P	V B K	V B K	V B K	S M P	V B K	S M P								

Head
Dept. of Chemistry
B. K College, Chikodi

K. L. E. SOCIETY'S

Basavaprabhu Kore Arts, Science & Commerce College,

CHIKODI-591 201

REGISTER OF ATTENDANCE

20....-20....

Dept. of ENGLISH.

SLow & Advanced Learners.

TEACHER'S NAME: _____

SUBJECT : _____

CLASS : _____

SECTION : _____

2021 - 2022:

Class: B.A. I. Sem. Subject: Slow Learners

No. in General Reg.	No.	Student's Name (Surname, Name and Father's Name)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	ATT
1.	1	Abhishek. Kavalagiomath	0	1	2	3	4	5	6								
2.	6	Ankit. Kamble.	1	2	2	3	4	5	6								
3.	33	Laxman. K. Kusani	0	0	1	2	3	4	5								
4.	50	Prerana. S. Bagewadi	1	1	2	3	4	4	5								
5.	64	Sakshi. N. Madihalli	1	2	3	4	5	6	7								
6.	83	Tohid. H. Nadaf.	1	2	3	4	5	6	7								

B.A.I sem 2021/2

* ADVANCED LEARNERS. *

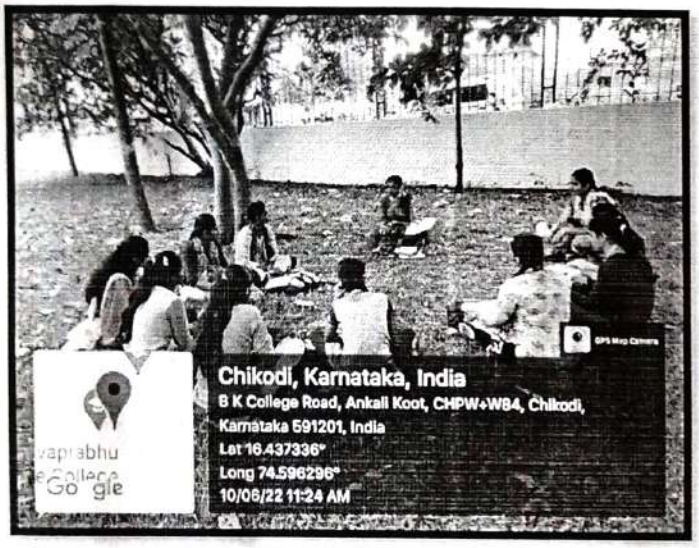
			15/12/22	22/12/22	29/12/22	8/1/22	9/1/22	20/1/22
1.	4.	Amar H. Nilgund	1	2	3	4	5	6
2.	23	Jyoti. B. Gudase	1	2	3	4	5	5
3.	30	Kavya. S. Shahpur	0	1	2	3	4	5
4.	38	Muskaan. S. Sayyad.	1	2	3	4	4	5
5.	46	prashant. G. Tonne	0	1	2	3	3	4
6.	49	preetkumar. k. umma	1	1	3	4	4	5
7.	51	priyanka. Rujoli	1	2	3	4	5	6
8.	58	Ruchita. M. Honakatti	1	2	3	4	5	5

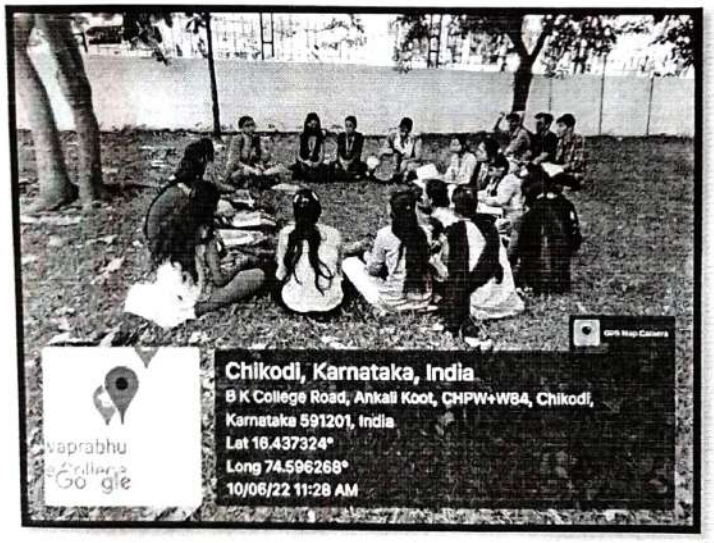
K.L.E. Society's
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKODI – 591 201.
(Accredited at 'A+' with 3.42 CGPA in 4th Cycle)
Website: www.klesbkcollegechikodi.edu.in e-mail: kles_bkcc@rediffmail.com Ph: 08338 – 272176

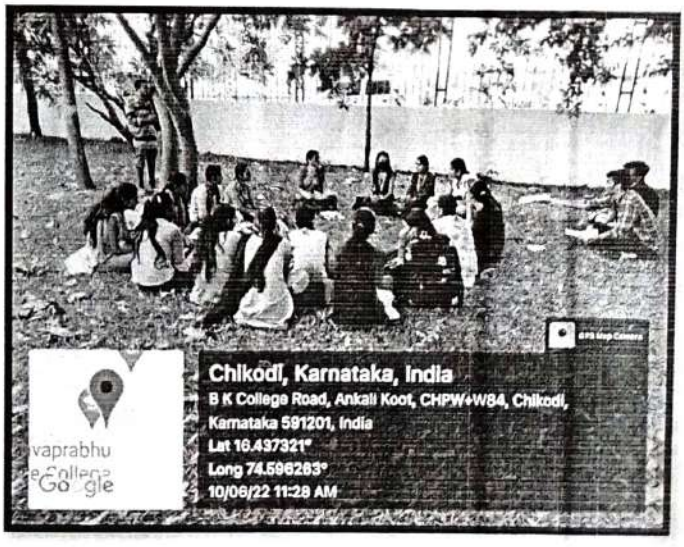
Department of Hindi

Title of the Programme	**Group Discussion**
Date	10-06-2022
Place	Basavaprabhu Kore Arts, Science And Commerce College Chikodi (In Garden Aria)
Name of the topic	Bhav Pallavan
No. of Beneficiaries	19
Objectives	1)Group Discussion is one of the Best practice in Class room 2) It helps how to Discuss the topic to each other 3) Group Discussion helps to Reduce Stage Fear 4) It Increases Unity Among students
Summary of the Proceedings	Slow and Advance Learner both are participated in this activity, Group Discussion is a good way to Engage the students in a fruitful discussion and generates a creative thinking in all students , something beyond the obvious answers and solution to a specific problem. Group discussion generate more ideas and a structured presentation of a topic.
Out Comes	Slow learners gained confidence to speak They got ideas to think about subject All the hidden qualities of slow learners will come out Thy will be out of their fear

Pictures of Group Discussion







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HEAD
Dept. of Hindi
B.K. College, Chikodi

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DEPARTMENT OF COMMERCE

Time Table for Remedial classes

Class : B Com I sem **Year -2021-22**
Time: 2.30 to 3.30

S.No	Day	Subject	Name of the Staff
1	Monday	MPA	Miss.S C Hitni
2	Tuesday	MPA	Prof.V.V Patil
3	Wednesday	FA	Dr.Lakshmikanth Nayaka T.O
4	Thursday	FA	Dr.Lakshmikanth Nayaka T.O
5	Friday	PM	Smt.S.S.Arbole
6	Saturday	PM	Smt.S.S.Arbole

Head of Department

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DEPARTMENT OF COMMERCE

Time Table for Enrichment

Class : B Com I sem **Year -2021-22**
Time: 2.30 to 3.30

Sr.No	Day	Subject	Name of the Staff
1	Monday	Financial Accounting-I	Dr.Lakshmikanth Nayaka T.O
2	Tuesday	Financial Accounting-I	Dr.Lakshmikanth Nayaka T.O
3	Wednesday	MPA	Miss.S C Hitni
4	Thursday	MPA	Prof.V.V Patil
5	Friday	PM	Smt.S.A.Arbole
6	Saturday	PM	Smt.S.S.Arbole

Head of Department

PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201

Rani Channamma University, Belagavi

B.Sc-II semester Degree Examination Sept/Oct-2022

Chemistry (DSC)

(NEP Scheme Regular)

Q.P. and Sub code: 47073/B0230

(Scheme of valuation)

1 Answer any six $6 \times 2 = 12$

a) Fajan's rule - A compound with low positive charge, large cation and small anion has ionic bond where as a compound with high positive charge, small cation and large anion is covalently bonded or has covalent bond.

b) A chemical bond formed between two atoms by the complete transfer of valence electrons from one atom to other is called an ionic bond. (1M)

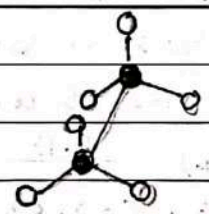
Molecules with ionic bond - NaCl, KCl, MgO, $MgCl_2$, $CaCl_2$ etc (1M)

c) Choroacetic acid is stronger than acetic acid. (1M)

This is due to -I effect of halogen (Cl), carboxylate ion stabilise and protons release easily. (1M)

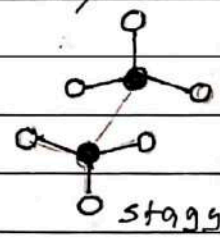
d)

Sawhorse projection formula



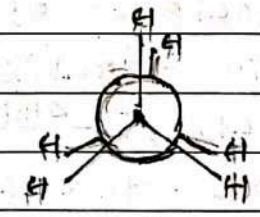
Eclipsed

OR

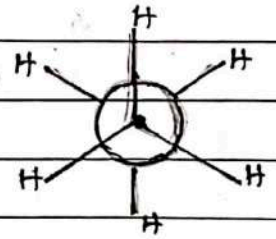


Staggered

Newman projection formula



Eclipsed (1M)



Staggered (1M)

(Any one, Either Sawhorse or Newman projection formula)

e) Unit cell is defined as the smallest portion of the crystal which when repeated in three dimensions to form the entire crystal.

f) $$K = \frac{2.303}{t(a-b)} \log \frac{b(a-x)}{a(b-x)}$$ (1M)

a, b - Initial concentrations of reactants (1M)

x - decrease conc^n. of reactants in time t

(a-x), (b-x) - conc^n of reactants after time t

Ambika Gold

g) (1M) The force in dynes acting along the surface of a liquid at right angle to one cm length is called surface tension
(1M) surface tension of liquid decreases with increase in temp.

h) 1) organic reagents are sensitive, selective, specific.
2) organic reagents form coloured complexes with metal ions
3) organic reagents give voluminous heavy precipitate.
4) organic reagents reduce co-precipation in most cases.
5) organic reagents also serve as indicators.

(any two advantages)

2 Answer any three 3 x 4 = 12

a) The energy released when one mole of an ionic compound is formed from its gaseous ions is the lattice energy.

Born-Haber cycle for the formation of NaCl involves the steps

1 Sublimation of sodium

solid Na is sublimated to gaseous Na

$Na(s) \xrightarrow{\Delta H_s} Na(g)$

ΔH_s - Heat of sublimation of Na(s)

2 Ionisation of sodium

Gaseous Na is converted into gaseous Na^+

$Na(g) \xrightarrow{I.E} Na^+(g)$

I.E - Ionisation energy of Na

3 Dissociation of chlorine molecule

chlorine molecule is dissociated to gaseous Cl

$\frac{1}{2} Cl_2(g) \xrightarrow{\Delta H_d} Cl(g)$

ΔH_d - Heat of dissociation of Cl_2

4 Electron affinity of chlorine

gaseous Cl is converted into gaseous Cl^-

$Cl(g) + \bar{e} \xrightarrow{E.A} Cl^-(g)$

E.A - Electron affinity of Cl

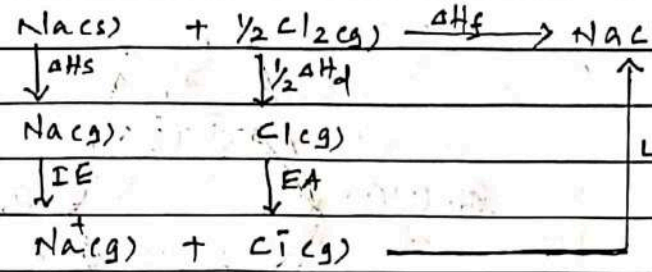
5 Combination of ions

Gaseous Na^+ combines with gaseous Cl^- forming NaCl

$Na^+(g) + Cl^-(g) \xrightarrow{U} NaCl(s)$

U - Lattic energy of NaCl

The cycle is represented as follows



$\Delta H_f = \Delta H_s + IE + \frac{1}{2}\Delta H_d + EA + U$

ΔH_f - Heat formation of NaCl.

b) A chemical bond formed between two atoms by the mutual sharing of electrons is called covalent bond. (1M)

— Cl_2, HCl, CH_4 are molecules with covalent bond.

General characteristics of covalent compounds (3M)

1. Covalent compounds are gases, liquids or relatively soft solids at ordinary conditions.
2. These have low melting point and boiling point.
3. These are neither hard nor brittle
4. These are soluble in non-polar solvents (organic solvents) and insoluble in polar solvents (water)
5. These are non-conductors of electricity
6. These exhibit isomerism.
7. Reactions of these compounds are slow and molecular reactions.

(Any four characteristics)

c)

	Molecule	Hybridisation	Geometry	
i)	SF_6	d^2sp^3	octahedral	(1M)
ii)	BF_3	sp^2	Trigonal planar	(1M)
iii)	$BeCl_2$	sp	Linear	(1M)
iv	PCl_5	dsp^3	Trigonal pyramidal	(1M)

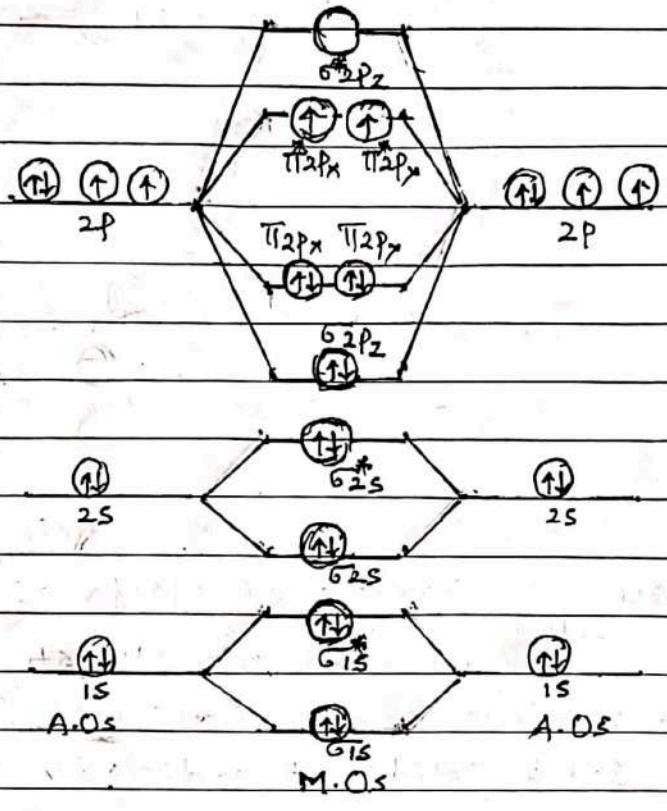
d) Oxygen molecule (O_2)

$_8O - 1s^2 2s^2 2p^4$

16 electrons to be distributed both two O atoms.

Molecular orbital energy level diagram

(2M)



Electronic configuration of O_2 molecule is

$KK\ \sigma\overline{2s}^2\ \sigma^*\overline{2s}^2\ \sigma\overline{2p_z}^2\ \pi 2p_x^2\ \pi 2p_y^2\ \pi^*2p_x^1\ \pi^*2p_y^1$ (1M)

O_2 Molecule is paramagnetic as it contains 2 unpaired electrons. (1M)

3 Answer any Three $3 \times 4 = 12$

a) The phenomenon of compounds having same molecular and structural formula but differ in the rotation of plane polarized light is called optical isomerism. (2M)

conditions for a molecule to show optical isomerism.

1 Molecule should be dissymmetric (chiral)
2 Molecule should have a non-superimposable mirror image
3 Molecule does not possess any elements of symmetry. (2M)

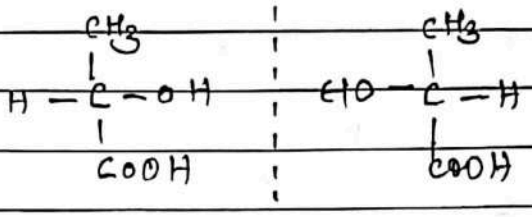
b) 1) Enentiomers:

optical isomers which are the mirror images of each other and are non-superimposable are called enentiomers. (2M)

(1 defn 1 example)

Ex: 1 d-lactic acid and l-lactic acid

2 d-tartaric acid and l-tartaric acid



d-lactic acid l-lactic acid

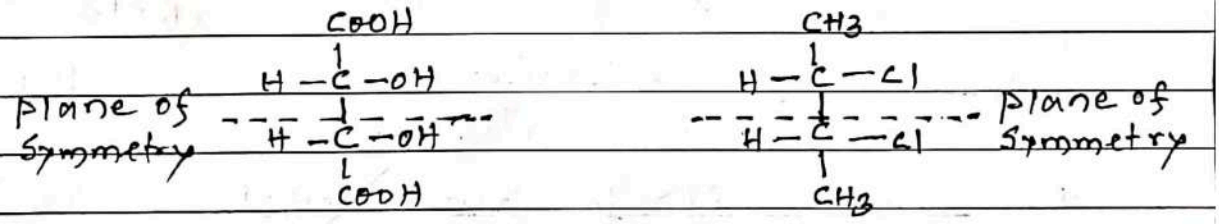
d- and l-lactic acids being mirror images of each other and are non-superimposable.

ii) Mesocompounds. (2M)

compounds containing two or more asymm-etric carbon atoms and not showing optical acti-vity due to the presence of plane of symmetry are called mesocompounds. (1-defn 1-example)

Ex: 1 Meso tartaric acid

2 Meso 2,3-dichlorobutane



Meso tartaric acid Meso 2,3-dichlorobutane

c) E and Z notations for compounds.

these notations are used for goemetri-cal isomers. the rules for assigning E and Z notations for isomers are as follows (2M)

1) project the molecule on a planar surface.

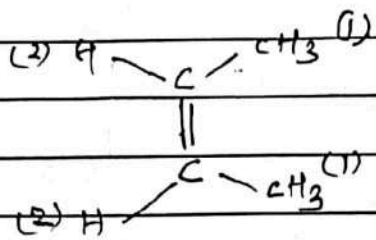
2) Assign the priorities to the atoms or groups attached to doubly bonded carbon atoms.

3) the atom or atom of groups which has the higher atomic number is given the higher priority.

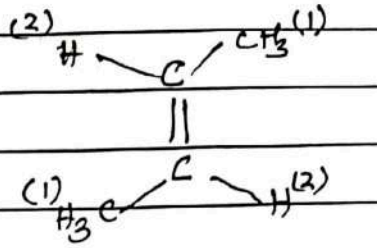
4) when the higher priority groups are on the same side of the double bond the configuration of isomer is Z

5) when the higher priority groups are on opposite sides of the double bond the configuration of isomer is E.

Ex: 1)

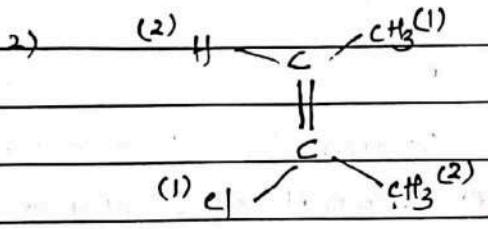


cis-2-butene
Z-isomer

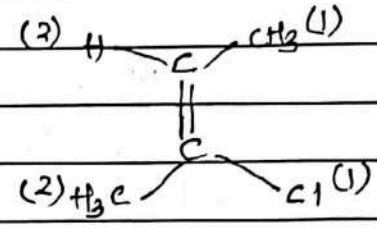


trans-2-butene
E-isomer

2)

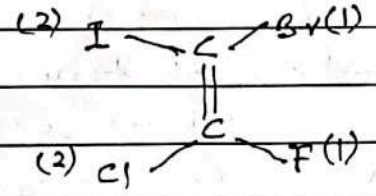


E-isomer

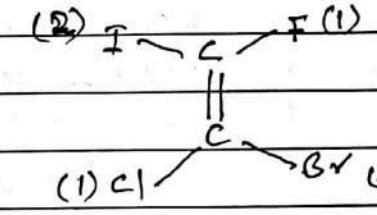


Z-isomer

3)



Z-isomer

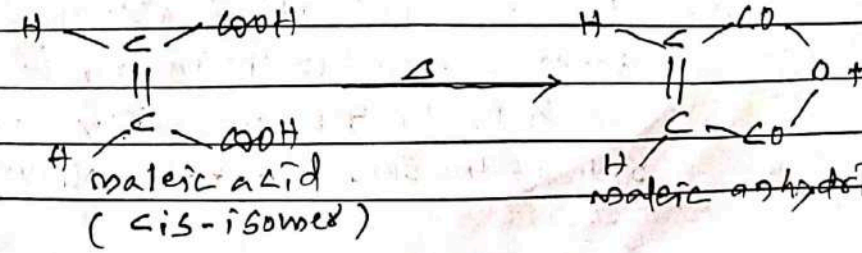


E-isomer

d) i) Anhydride formation method. (2M)

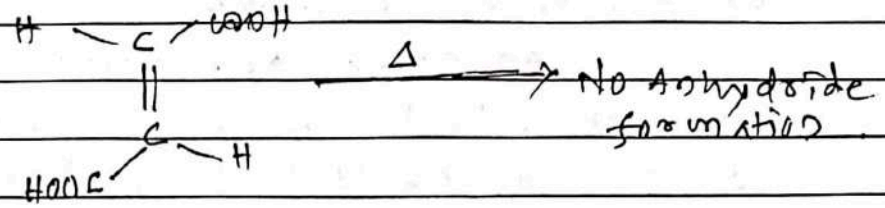
Configuration of an isomer/compound of doubly bonded carbons with carboxyl groups is determined by anhydride formation. The isomer with two carboxyl groups on the same side on heating forms its anhydride by the interaction of carboxyl groups. Anhydride formation indicates a cis-isomer (similar groups on same side). No anhydride formation indicates trans isomer (similar groups on opposite side).

Ex:



maleic acid
(cis-isomer)

maleic anhydride



Fumaric acid
(trans-isomer)

ii) Biochemical method of resolution of recemic mixture (2M)

This resolution method makes use of a partic-ular microorganism, which is allowed to grow in a recemic mixture. Depending on the microorganisms and their enzymatic systems one component/isomer of recemic mixture is destroyed and other isomer remained can be isolated.

penicillium glaucum present in mould when grown in recimic tartaric acid, it consumes only dextro isomer. The leavo isomer left in the solution can be recovered by crystallisation.

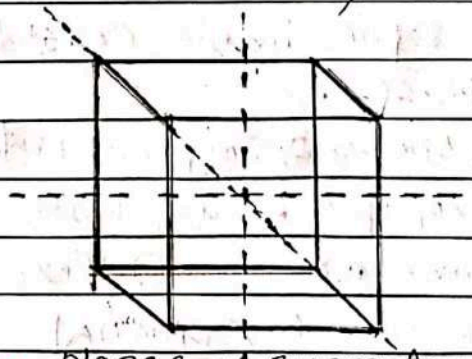
this method has some demerits.

4 Answer any three. 3×4 = 12

a) i) plane of Symmetry (2M)

An imaginary plane or line which bisects a crystal into two equal parts such that one part is exact mirror image of other part is called a plane of symmetry.

Any line perpendicular to the plane inter sects the crystal surface at equal distance on either sides. A crystal can have any number of planes of symmetry.

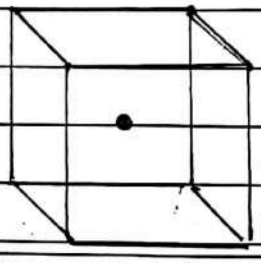


Planes of symmetry

ii) Centre of symmetry

An imaginary point within the crystal through which any line drawn intersects the surface of crystal at equal distance in both directions is called the centre of symmetry.

A crystal has only one centre of symmetry.



b) Classification of Liquid crystals 2M

Liquid crystals (LC) are mainly classified as

1) Thermotropic liquid crystals
2) Lyotropic liquid crystals

1) Thermotropic LC

Liquid crystals which exhibit a phase transition into liquid crystal phase by temperature changes are called thermotropic liquid crystals. These contain only mesophase

Ex: 4'-n-Alkyl-4-cyano-biphenyls

thermotropic LC are further classified as

i) Nemetic LC
ii) Smectic LC
iii) cholesteric LC
iv) columnar LC

2) Lyotropic LC

Liquid crystals which exhibit a phase transition into liquid crystal phase by both temperature and concentration of molecules in a solvent are called lyotropic liquid crystals. these contain different phases.

Ex: Mixture of soap and water.

Lyotropic LC are further classified as

i) Lamellar
ii) Hexagonal
iii) Cubic phase
iv) reverse hexagonal
v) reverse cubic

Applications of Liquid crystals

1 Liquid crystal displays 2M

This is the most common application of liquid crystal Technology. Liquid crystal displays are are common in calculators, digital watches, television displays using liquid crystal

2 Liquid crystal thermometers

A type of thermometer containing liquid crystals which cha -nge colour to indicate different temperatures.

3 optical imaging and recording by liquid crystals.

4 Liquid crystal state is believed to play an import -ant role in nutritional and other process.

5 Liquid crystals are widely used in cosmetic industry, in the manufacture of liquid crystal makeup removers, lipstics and lip glasses.

6 Liquid crystal polymers viz polyester liquid crystals were developed for fire resistant.

7 Nematic liquid crystals are useful research tools in the analysis of NMR spectra of molecules.

8 LC have been used in chromatographic seperations.

9 LC are used extensively in pharmacetical industries.

(Any three applications)

---

c) consider a second order reaction

$$A + B \longrightarrow \text{products}$$

Let 'a' be the initial concentration of reactants A and B and 'x' be the decrease in concentration of reactants in time 't'. Then concentrations of reactants remaining after time t will be (a − x).

Rate of reaction is given by

$$\text{Rate} \propto [A][B]$$

$$\text{Rate} = k(a-x)(a-x)$$

$$\frac{dx}{dt} = k(a-x)^2 \quad \text{---------- (1)} \qquad 1M$$

where k - rate constant of reaction.

Ambika Gold

Eqn (1) is written as

$$\frac{dx}{(a-x)^2} = k\,dt \qquad \text{——— (2)}$$

Integrating eqn (2)

$$\int \frac{dx}{(a-x)^2} = k\int dt$$

$$\frac{1}{a-x} = kt + c \qquad \text{——— (3)} \qquad 1M$$

where c is const of Integration

when $t=0$, $x=0$

Substituting values of t & x in eqn (3)

$$\frac{1}{a-0} = k\times 0 + c$$

$$c = \frac{1}{a} \qquad 1M$$

Substituting the value of c in eqn (3)

$$\frac{1}{a-x} = kt + \frac{1}{a}$$

$$kt = \frac{1}{a-x} - \frac{1}{a}$$

$$kt = \frac{a-(a-x)}{a(a-x)}$$

$$kt = \frac{x}{a(a-x)}$$

$$k = \frac{1}{t}\frac{x}{a(a-x)} \qquad \text{——— (4)} \qquad 1M$$

Eqn (4) is an integrated rate equation for second order reaction when concentrations of reactants are equal.

d) According to van't Hoff, the rate of a n^{th} order reaction is proportional to the n^{th} power of concentration of reactants

ie Rate $\propto C^n$ 1M

$$-\frac{dC}{dt} = kC^n \qquad \text{——— (1)}$$

or $$-\frac{dC}{dt} = R = kC^n \qquad \text{——— (2)}$$

where R - rate of a reaction

k - rate const of reaction

C - concentration of reactant

n - order of the reaction 1M

At two concentrations C_1 and C_2

we have, $k_1 = K C_1^n$

$k_2 = K C_2^n$

$\frac{k_1}{k_2} = \frac{C_1^n}{C_2^n}$

$\frac{k_1}{k_2} = \left(\frac{C_1}{C_2}\right)^n$ ——— (3) 1M

Taking logarithms on both sides of eqn (3)

$\log \frac{k_1}{k_2} = n \log \frac{C_1}{C_2}$

$n = \frac{\log k_1/k_2}{\log C_1/C_2}$ ——— (4)

$n = \frac{\log k_1 - \log k_2}{\log C_1 - \log C_2}$ ——— (5) 1M

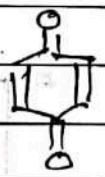
Rate of reaction k_1, k_2 are determined by plotting concentrations against time. substituting the values of k_1 and k_2 at two concentrations C_1 and C_2 in eqn (5). The order of reaction n can be determined.

5 Answer any Three $3 \times 4 = 12$

a) parachor is defined as the molar volume of a liquid at a temperature at which its surface tension is unity. 1M

Elucidation of structure of Benzoquinone.

TWO structures are proposed for Benzoquinone



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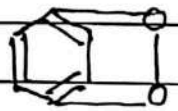


II 1M

parachor values for above structure are

Carbons	6C	$6 \times 4.8 = 28.8$	6C	$6 \times 4.8 = 28.8$
Hydrogens	4H	$4 \times 17.1 = 68.4$	4H	$4 \times 17.1 = 68.4$
oxygens	2O	$2 \times 20 = 40.0$	2O	$2 \times 20 = 40.0$
double bond	4	$4 \times 23.2 = 92.8$	3	$3 \times 23.2 = 69.6$
six membered ring	1	$1 \times 6.1 = 6.1$	2	$2 \times 6.1 = 12.2$
calculated value -		236.1		227.0

Experimental parachor value is 236.8 2M

the calculated parachor value for structure-I tallys with (or nearer to) the experimental value. Hence structure-I is the correct structure for Benzoquinone

b) Determination of viscosity of liquid by Ostwald's viscometer is based on poiseuille's law relating the rate of flow of liquid and viscosity and is given by

$$\eta = \frac{\pi r^4 t p}{8 v l} \quad \text{---------- (1)}$$

where v is the volume of liquid flowing in time t through capillary tube of length l and radius r under hydrostatic pressure p

But $p = h d g$

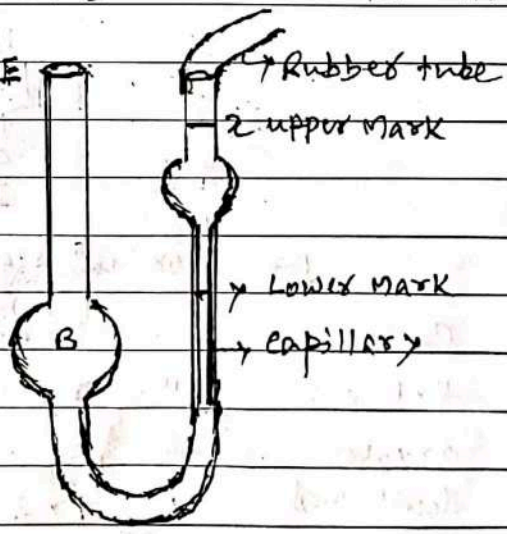
where d - density of liquid, h - hight of the liq column

$$\eta = \frac{\pi r^4 t h d g}{8 v l} \quad \text{---------- (2)}$$

Eqn (2) is used to calculate the relative viscosity. Eqn (2) for equal volumes of liquids flowing from the same hight through the same capillary tube,

we have $\frac{\eta_1}{\eta_2} = \frac{t_1 d_1}{t_2 d_2}$ ---------- (3) 1M

Knowing densities, time of flow of liquids and viscosity of one of the liquids that of other can be determined using eqn (3)



1M

viscometer is cleaned with chromic acid and water. Then washed with acetone and dried. Attach a rubber tube to the end A of viscometer and clamped

vertically. Definite volume of liquid under test is introduced in the bulb B through end E. The liquid is sucked up through rubber tube above the mark x of limb of viscometer. Allow the liquid to flow and record the time taken to flow from mark x to y. Repeat the expt and take the mean time. Liquid is removed and viscometer is dried. The experiment is repeated as above taking the same volume of water and the time of flow of water is noted. Determine the density of liquid using specific gravity bottle. Knowing the viscosity and density of water, determine the viscosity of liquid by using the formula 2M

$$\eta_l = \eta_w \frac{t_l d_l}{t_w . d_w}$$

η_w - coefficient of viscosity of water
t_l - time of flow of liq, d_l - density of liquid
t_w - time of flow of water d_w - density of water.

C

$n = 1.497$
$d = 0.873$ gm cm^{-3}
$M = 78$
$R_S = ?$
$R_M = ?$

Specific Refraction 2M

$$R_S = \frac{n^2-1}{n^2+2} \times \frac{1}{d}$$

$$= \frac{(1.497)^2 - 1}{(1.497)^2 + 2} \times \frac{1}{0.873}$$

$$= \frac{2.241 - 1}{2.241 + 2} \times \frac{1}{0.873}$$

$$= \frac{1.241}{4.241 \times 0.873}$$

$$= \frac{1.241}{3.702}$$

$$R_S = 0.3352$$

Mol wt Refraction 2M

$$R_M = R_S \times M$$

$$= 0.3352 \times 78$$

$$R_M = 26.146$$

OR 2M

$$R_M = \frac{n^2-1}{n^2+2} \times \frac{M}{d}$$

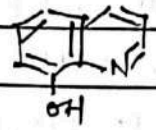
$$= \frac{(1.497)^2 - 1}{(1.497)^2 + 2} \times \frac{78}{0.873}$$

$$= \frac{2.241 - 1}{2.241 + 2} \times \frac{78}{0.873}$$

$$= \frac{1.241 \times 78}{4.241 \times 0.873}$$

$$= \frac{96.798}{3.702}$$

$$R_M = 26.147$$

d)	Reagent	Structure	Use in Inorganic Analysis	4
i)	oxine (8-hydroxyquinolin)		Gravimetric estimation of Aluminium, Mg and Cu	1M
ii)	DMG (Dimethyl glyoxime)	$CH_3-C=NOH$ $CH_3-C=NOH$	Gravimetric estimation of Nickel	1M
iii)	Cupron (Benzoin oxime)	$C_6H_5-CH-OH$ $C_6H_5-C=N-OH$	volumetric and Gravimetric estimation of copper.	2M

scheme prepared by
prof. S.N. Bengal
Head, Dept of chemistry
S.S.B.M. Arts, Com & Science college
BADAMI - 587 201

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Reg. No. 1 6 8 4 4

V Semester B.Sc. 4 Degree Examination, March - 2022

PHYSICS

Paper : I

(Repeater / Regular)

Time : 3 Hours Maximum Marks : 80

Instructions to Candidates :

1. *Calculator are allowed to solve the problems.*
2. *Write Intermediate Steps.*

PART - I

Answer any **TEN** questions. (10×2=20)

1. a) What is Configuration Space?
   b) State the Principle of Virtual Work.
   c) What is Holonomic Constraints? Give one example.
   d) What is Bounded Motion?
   e) State Kepler's first law of Planetory Motion.
   f) What is Length Contraction?
   g) Define Zener Breakdown and Avalanch Breakdown.
   h) State Maximum Power Transfer Theorem.
   i) What is negative feedback?
   j) How much electric energy could theoretically be obtained by annihilation of 1×10^{-3} Kg of matter.
   k) The applied input Ac-power to a bridge rectifier is 150 Watts. Find the DC - output power if the rectification efficiency is 80%.
   l) The amplification factor of FET is 3.5. Calculate the mutual conductance, if the drain resistance is 2.5 KΩ.

PART - II

Answer any **FOUR** questions. (4×5=20)

2. Explain the application of Lagrange's equation in case of motion of a single particle in Polar coordinates.

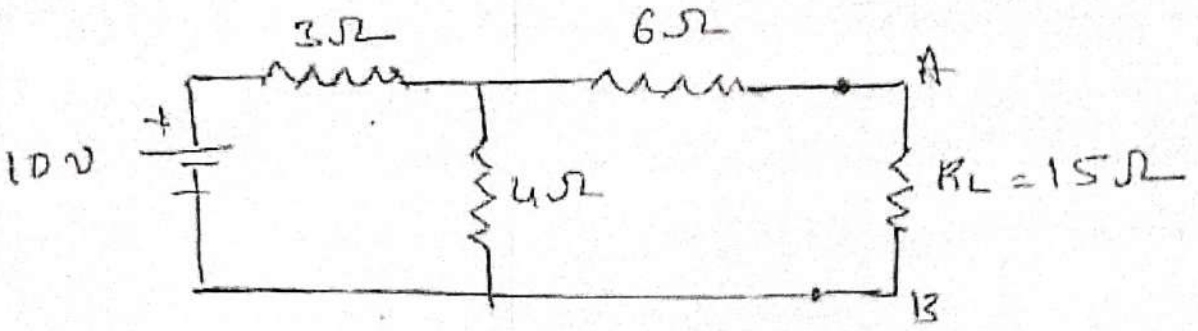
[P.T.O.

3. Derive Second Law of Planetory Motion.

4. Derive Einstein's Mass-energy relation.

5. Compute the mass and speed of an electron having kinetic energy 1.5 Mev. Given - rest mass of an electron, $m_0 = 9.1 \times 10^{-31}$ Kg m. Velocity of light in vacuum, $C = 3 \times 10^8$ m/sec.

6. Draw Norton's equivalent circuit of the given circuit. Find the current in the load resistance.



7. Hartly Oscillator has a capacitor of 150 PF and inductance of each part of the inductance coil is 2.5mH. Calculate the operating frequency of the oscillator neglecting the mutual inductance between the two coil.

PART - III

Answer any FOUR questions. (4×10=40)

8. Derive Lagrange's equation from D'Alembert's Principle.

9. Derive an expression for the total energy of a particle moving under central force.

10. Derive the relation for variation of mass with velocity.

11. State and Prove Thevenins's Theorem.

12. Explain the working of Hartley Oscillator, with a neat circuit diagram. Write expression for its frequency of oscillation.

B.Sc. Vth Semester PHYSICS -I (2022) Key Answers

PART I

1.Answer any TEN questions **10 X 2 =20**

1. (a) What is configuration space?

The space required for 3N-K dimension is known as configuration space.

1. (d) State the Principle of Virtual Work?

Consider a system undergoing a certain displacement in the configuration space in such a way that it does not take any time due to system of particles having certain constraints such displacements are called **Virtual Displacement**, as they do not represent actual displacement of the system. The work done by the forces of constraint is zero, and the work is called **Virtual Work.**

1.(c)What are the Holonomic constraints? Give one example.

Let $r_1, r_2, r_3, ...r_n$ be the position coordinates of a system and 't' denotes the time then if coordinates of all the constraints are expressed as $f(r_1, r_2, r_3, ...r_n t) = 0$ then the constraints are said to be holonomic if condition $f(r_1, r_2, r_3, ...r_n t) \neq 0$ .The constrains are said to be non-holonomic constraints.

Examples (Any one)

1) The constraints involved in the motion of rigid bodies in which the distance between any two particular points is always fixed. The conditions of constraints are expressed as $(r_i - r_j)^2 = c_y^2$ *i.e.*$(r_i - r_j)^2 - c_y^2 = 0.$
2) The constrains involved in motion of the point mass of a simple pendulum holonomic. In this case the point mass remains at a constant distance 'l' from the point of suspension whose position vector is 'a' and the condition of constraints are expressed as $(r-a)^2 = l^2.$

   Where 'r' is the position vector of the point mass,'l' is the distance between the point mass and the point of suspension and 'a' is the position vector of the point of suspension.
3) The constraints involved when a particle is restricted to move along a curved surface are holonomic.

1 (d) What is Bounded Motion?

The motion in which the distance between the two bodies never exceeds a finite limit. For example, the motion of planets around the sun.

1. (e) State Kepler's first law of planetary motion.

All planets move in elliptical orbits having the sun as one focus.

1 (f) What is length of Contraction.

The length of rod in motion with respect to an observer appears to the observer to be shorter that when it is at rest w.r.t him. The phenomenon is known as the Lorentz-Fitz Geraland contraction or length of Contraction.

$L = l_0\sqrt{1 - v^2/c^2}$

1. (g) Define Zener Breakdown and Avalanche Breakdown.

Zener Breakdown or Zener Effect: When reverse bias is high, electric field at the junction increases and causes covalent bonds to break. Thus, a large number of carriers are generated & causes a large current flow. This is Zener breakdown.

Avalanche Breakdown or Avalanche Effect: When the increased electric field causes increase in the velocities of minority carriers, they break covalent bonds & generate a lot of carriers. Thus, a large current flow. This is avalanche breakdown.

1.(h) State Maximum Power Transfer Theorem'

"Maximum power is transferred from a source to load when the load resistance is made equal to the internal resistance of the source." This is applied to both powers.

1. (i) What is negative feedback?

When the feedback signal (input voltage or current) and part of output signal are in out of phase, and thus opposes it. It is called negative feedback. Negative feedback is also known as degenerative or inverse feedback.

1. (j) How much electric energy could theoretically be obtained by $1\times10^{-3}Kg$ of matter.

Solution: $m=1\times10^{-3}Kg$, $C=3\times10^{8}m/\sec.$

$$E=mc^2=1\times10^{-3}\left(3\times10^{8}\right)^2=1\times10^{-3}\times9\times10^{16}=9\times10^{13}=90\times10^{12}$$

1. (k) The applied input AC power to a bridge rectifier is 150 Watts. Find the DC output power if the rectification efficiency is 80%.

Solution:

AC power P_{ac} =150 Watts, Efficiency η =80% , Output DC power P_{dc} = ?

$$\eta=\frac{P_{dc}}{P_{ac}}$$

$$80\%=\frac{P_{dc}}{P_{ac}}$$

$$P_{dc}=80\%\times P_{ac}=0.8\times150=120Watts$$

1.(l) The amplification factor of FET is 3.5. Calculate the mutual conductance, if the drain resistance is 2.5 KΩ.

Solution: μ =3.5, r_d =2.5KΩ , g_m=?

$$\mu=r_d\times g_m$$

$$g_m=\frac{\mu}{r_d}=\frac{3.5}{2.5\times10^{3}}=1.4\times10^{-3}mho$$

$$g_m=1.4\times10^{-3}mho$$

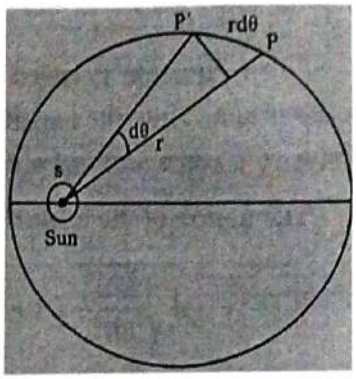
PART II

Answer any FOUR questions **4 X 5 =20**

2.Explain the application of Lagrange's equation in case of motion of a single Polar coordinate.

Application of Lagrange's equation in case of a single Polar coordinates.

Let (rΘ) be the polar coordinates of the particle under considerations then the equation of transformation is given by,



$$x = r\cos\theta \qquad ; \quad y = r\sin\theta$$

The velocities of the particle along x and y axes are given by,

$$\dot{x} = \dot{r}\cos\theta - r\dot{\theta}\sin\theta \qquad ; \quad \dot{y} = \dot{r}\sin\theta + r\dot{\theta}\cos\theta$$

The Kinetic Energy,

$$T = \frac{1}{2}m\left(\dot{x}^2 + \dot{y}^2\right) = \frac{1}{2}m\left[\left(\dot{r}\cos\theta - r\dot{\theta}\sin\theta\right)^2 + \left(\dot{r}\sin\theta + r\dot{\theta}\cos\theta\right)^2\right]$$

$$T = \frac{1}{2}m\left[\left(\dot{r}^2\cos^2\theta + r^2\dot{\theta}^2\sin^2\theta - 2r\dot{r}\dot{\theta}\sin\theta\cos\theta\right) + \left(\dot{r}^2\sin^2\theta + r^2\dot{\theta}^2\cos^2\theta + 2r\dot{r}\dot{\theta}\sin\theta\cos\theta\right)\right]$$

$$T = \frac{1}{2}m\left[\dot{r}^2\left(\sin^2\theta + \cos^2\theta\right) + r^2\dot{\theta}^2\left(\sin^2\theta + \cos^2\theta\right)\right]$$

$$T = \frac{1}{2}m\left[\dot{r}^2 + r^2\dot{\theta}^2\right] \qquad ----------(1)$$

$$\left.\begin{array}{ll} \dfrac{\partial T}{\partial \dot{r}} = m\dot{r} & \dfrac{\partial T}{\partial r} = mr\dot{\theta}^2 \\ \dfrac{\partial T}{\partial \dot{\theta}} = m\dot{\theta} & \dfrac{\partial T}{\partial \theta} = 0 \end{array}\right\} ----------(2)$$

The Lagrange's equation in term of q_k is given by,

$$\frac{d}{dt}\left(\frac{\partial T}{\partial \dot{q}_k}\right) - \frac{\partial T}{\partial q_k} = Q_k$$

Similarly, $\dfrac{d}{dt}\left(\dfrac{\partial T}{\partial \dot{r}}\right) - \dfrac{\partial T}{\partial r} = F_r \qquad \Rightarrow \dfrac{d}{dt}\left(mr\dot{\theta}^2\right) = F_r$

$$m\ddot{r} - mr\dot{\theta}^2 = F_r \qquad ------(3)$$

Then, $\dfrac{d}{dt}\left(\dfrac{\partial T}{\partial \dot{\theta}}\right) - \dfrac{\partial T}{\partial \theta} = rF_\theta \qquad \Rightarrow \dfrac{d}{dt}\left(mr^2\dot{\theta}\right) = rF_\theta$

$$mr^2\ddot{\theta} + 2mr\dot{r}\dot{\theta} = rF_\theta \qquad --------(4)$$

Therefore, the equation of motion in polar coordinates (rΘ) are given by,

$$m\ddot{r} - mr\dot{\theta}^2 = F_r \qquad \Rightarrow mr^2\ddot{\theta} + 2mr\dot{r}\theta = rF_\theta \qquad -----(5)$$

3. Derive the Second law Planetary motion.

KEPLER'S LAWS OF PLANETARY MOTION

Second law: The area swept out by the radius vector from the sun to a planet in equal times are equal.

KEPLER'S SECOND LAWS OF PLANETARY MOTION

The area swept out by the radius vector from the sun to a planet in equal times are equal.

Suppose a planet P is moving in an elliptic orbit as shown in fig. If it is move from P to P$^{|}$ in a small interval of time 't' the area swept out by radius vector is SPP$^{|}$. If dt is infinitesimally small, PP$^{|}$ is a straight line $= rd\theta$ and SPP$^{|}$ is a triangle.

The area of triangle $SPP^{|} = dA = \frac{1}{2} r \times rd\theta = \frac{1}{2} r^2 d\dot{\theta}$

This is the area swept out in time dt.

$$Rate\ of\ which\ area\ swept\ out = \frac{dA}{dt} = \frac{1}{2} r^2 \frac{d\theta}{dt} = \frac{1}{2} r^2 \dot{\theta} \qquad \because \dot{\theta} = \frac{d\theta}{dt} \quad ---(1)$$

$The\ angular\ momentum = J = \mu r^2 \dot{\theta}$. It is constant under central force.

$$\therefore r^2 \dot{\theta} = \frac{J}{\mu} = A\ constant\ under\ gravitational\ force$$

$$\therefore \frac{1}{2} r^2 \dot{\theta} = \frac{J}{2\mu} = A\ constant \quad -----(2)$$

From equation (1) and (2)

Hence, $\frac{dA}{dt} = \frac{J}{2\mu} = constant$

This verifies that the second law "Radius vector sweeps out equal areas in equal intervals of time". In other words, the aerial velocity of a planet around the sun is constant.

4.Derive Einstein mass energy relation.

According to classical theory, the mass of a moving body is constant and independent of its velocity. According to the theory of relativity the mass of moving body varies with velocity.

According to Newton's second law of motion the force acting on a body is equal to the rate of change of momentum it produces. If a body of mass 'm' moving with a velocity 'v' has a force F applied to it then,

$$F = \frac{d}{dt}(mv) = m\frac{dv}{dt} + v\frac{dm}{dt} \quad ----(1)$$

Here m and v are both variables.

If the force F acts for a small distance dx. The work done F.dx is stored in the body as its kinetic energy given by,

$$dE = F.dx = \left(m\frac{dv}{dt} + v\frac{dm}{dt} \right) = m\frac{dv}{dt}dx + v\frac{dm}{dt}dx = mdv\frac{dv}{dt} + vdm\frac{dv}{dt}$$

$$dE = mvdv + v^2 dm \quad \left| \because \frac{dx}{dt} = v \right. \quad -----(2)$$

According to variation of mass with velocity,

$$m = \frac{m_0}{\sqrt{1-\frac{v^2}{c^2}}} \quad or \quad m^2 = \frac{m_o^2}{1-\frac{v^2}{c^2}}$$

$$m^2\left(1-\frac{v^2}{c^2}\right) = m_o^2 \quad \Rightarrow \frac{m^2\left(c^2-v^2\right)}{c^2} = m_o^2$$

$$m^2c^2 - m^2v^2 = m_o^2c^2 \quad ------(3)$$

Differentiating on both sides,

$$2mdmc^2 - 2mv^2dm - 2vdvm^2 = 0$$

$$2m\left(c^2dm - v^2dm - mvdv\right) = 0$$

$$c^2dm - v^2dm - mvdv = 0$$

$$OR \quad v^2dm + mvdv = c^2dm \quad -------(4)$$

From equation (4) and (2)

$$c^2dm = dE$$

Integrating on both sides

$$c^2\int_{m_0}^{m} dm = \int dE$$

$$c^2\left(m-m_0\right) = E \quad \Rightarrow E = \Delta mc^2$$

Where $\Delta m = m - m_0$ and it is the mass converted into kinetic energy. The equation $E = \Delta mc^2$.

Shows that the kinetic energy of a moving mass is c^2 times the gain in mass. This represents that the mass increases with velocity. The mass m_0 is rest mass of the body and the term mc^2 is the rest mass energy. This energy is considered as internal energy mc^2 is the kinetic energy of a body when it moves with velocity v.

$$E = \left(m-m_0\right)c^2 = mc^2 - m_0c^2$$

$$Total\ energy = \text{Re}st\ mass\ energy + KE$$

$$mc^2 = m_0c^2 + KE$$

5.Compute the mass and speed of an electron having kinetic energy 1.5 Mev. Given rest mass of an electron $m_0 = 9.1\times10^{-31}Kgm.$ **Velocity of light in vacuum** $C = 3\times10^8 m/\sec.$

Solution: $m_0 = 9.1\times10^{-31}Kgm., C = 3\times10^8 m/\sec.$, KE = 1.5 Mev, m = ?, v =?

$$KE = \left(m-m_0\right)c^2 = \Delta mc^2$$

$$\Delta m = \frac{KE}{c^2} = \frac{1.5\times10^6\times1.6\times10^{-19}}{\left(3\times10^8\right)^2} = \frac{2.4\times10^{-13}}{9\times10^{16}} = 0.244\times10^{-29}kg = 24.4\times10^{-31}kg$$

$$m = \Delta m + m_0 = \left(24.4+9.1\right)\times10^{-31}kg = 33.5\times10^{-31}kg$$

$$m = \frac{m_0}{\sqrt{1-\frac{v^2}{c^2}}}$$

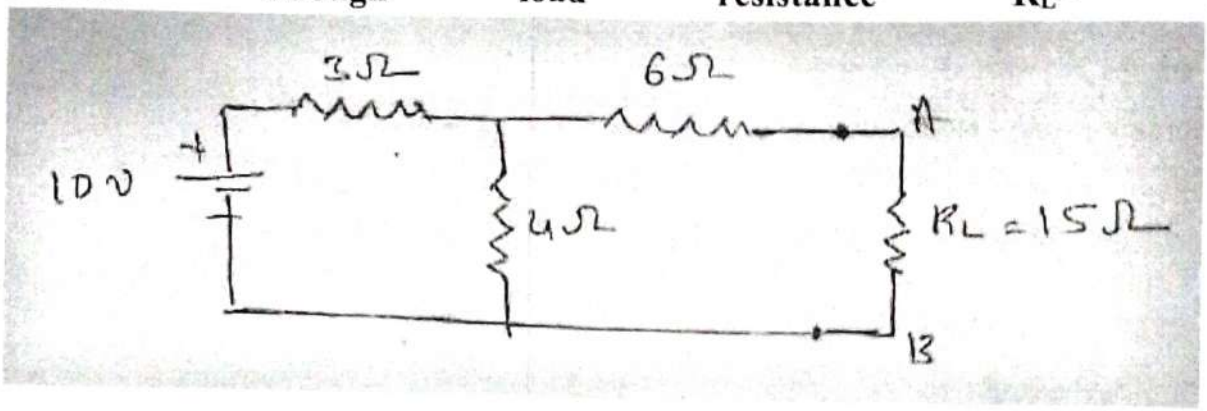
$$\sqrt{1-\frac{v^2}{c^2}} = \frac{m_0}{m} \quad \Rightarrow \left(\frac{m_0}{m}\right)^2 = 1-\frac{v^2}{c^2}$$

$$\frac{v^2}{c^2} = 1 - \left(\frac{m_0}{m}\right)^2 \Rightarrow v^2 = c^2\left[1 - \left(\frac{m_0}{m}\right)^2\right]$$

$$v = c\sqrt{\left[1 - \left(\frac{m_0}{m}\right)^2\right]} = 3\times10^8\sqrt{1 - \left(\frac{9.1\times10^{-31}}{33.5\times10^{-31}}\right)^2} = 3\times10^8\sqrt{1-0.271} = 3\times10^8\sqrt{0.729}$$

$$v = 3\times10^8 \times 0.853 = 2.559\times10^8\ m/\sec$$

6.Draw the Norton's equivalent circuit for the circuit shown below. Find the current through load resistance R_L= 2KΩ.



Solution:

Given $Z_1 = R_1 = 3K\Omega$; $Z_2 = R_2 = 4K\Omega$; $Z_3 = R_3 = 6K\Omega$; $Z_L = R_L = 15\Omega$ and E=10V

Equivalent resistance

$$R_N = Z_N = Z_{th} = \frac{Z_1 Z_3}{Z_1 + Z_3} + Z_2 = \frac{3\times6}{3+6} + 4 = \frac{18}{9} + 4 = 2 + 4 = 6\Omega$$

Magnitude of the Norton's current

$$I_N = \frac{EZ_3}{(Z_1Z_2 + Z_1Z_3 + Z_2Z_3)} = \frac{10\times6}{(3\times4 + 3\times6 + 4\times6)} = \frac{60}{(12+18+24)}$$

$$= \frac{60}{(54)} = 1.111 Ampers$$

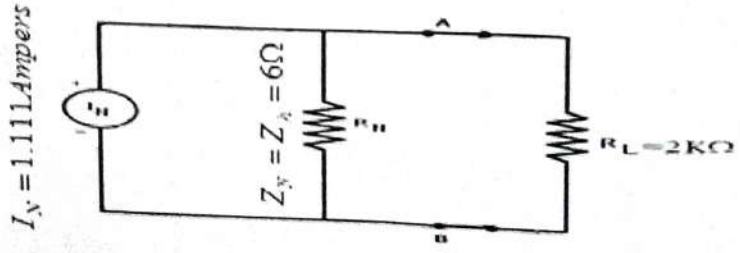
Thevenin's voltage

$$E_{th} = I_N \times Z_N = 1.111\times6 = 6.666 Volts$$

Current across the load resistance R_L=15Ω is

$$I_L = \frac{E_{th}}{Z_N + Z_L} = \frac{6.666}{(6+15)} = \frac{6.666}{21} = 0.3174 Ampers$$

Norton's equivalent circuit



7. Hartley oscillator has capacitor of 150 PF and inductance of each part of the inductance coil is 2.5 mH. Calculate the frequency of the oscillator neglecting the mutual inductance between the two coils.

Solution:

Given C = 150 PF = 150 x 10^{-12} $L_1 = L_2 = 2.5\times10^{-3} H$

$L = L_1 + L_2 = (2.5+2.5)\times10^{-3} = 5\times10^{-3}$ *Henrry*

Frequency of oscillation is given by,

$$F = \frac{1}{2\pi\sqrt{LC}} Hz$$

$$\therefore F = \frac{1}{2\times3.142\times\sqrt{5\times10^{-3}\times150\times10^{-12}}}$$

$$F = \frac{1}{2\times3.142\times\sqrt{750\times10^{-15}}}$$

$$F = \frac{1}{2\times3.142\times\sqrt{75\times10^{-14}}}$$

$$F = \frac{1}{6.284\times10^{-7}\sqrt{75}}$$

$$F = \frac{1}{6.284\times8.6602\times10^{-7}} = \frac{10^7}{54.4} = 183\times10^3 Hz = 183\ KHz$$

PART III

Answer any FOUR of the following **4 X 10 = 40**

8.Derive Langrage's equation of motion from D'Alembert's principle.

Langrage's equation of motion from D'Alembert's principle.

According to D'Alembert's principle

$$\sum\left(F_i - \dot{P}_i\right)\delta r_i = 0 \Rightarrow \sum F_i\delta r_i - \sum \dot{P}_i\,\delta r = 0$$

$$\sum Q_j\delta q_j - \sum \dot{P}_i P_i\delta r = 0 \quad -----(1) \quad | \quad \because \sum F_i\delta r_i = \sum F_i\frac{\partial r_i}{\partial q_j}\delta q_j = \sum Q_j\delta q_j$$

Consider the second term on the right-hand side of equation (1)

$$\sum \dot{p}\,\delta r_i = \sum \frac{d}{dt}(m_i\dot{r}_i)\delta r_i = \sum m_i\ddot{r}_i\frac{\partial r_i}{\partial q_j}\delta q_j \quad -----(2)$$

$$\sum\left[\frac{d}{dt}\left(m_i\dot{r}_i\frac{\partial r_i}{\partial q_j}\right)\right] = m_i\ddot{r}_i\frac{\partial r_i}{\partial q_j} + m_i\dot{r}_i\frac{d}{dt}\left(\frac{\partial r_i}{\partial q_j}\right)$$

Consider the term

$$\therefore \sum m_i\ddot{r}_i\frac{\partial r_i}{\partial q_j} = \sum\frac{d}{dt}\left(m_i\dot{r}_i\frac{\partial r_i}{\partial q_j}\right) - m_i\dot{r}_i\frac{d}{dt}\left(\frac{\partial r_i}{\partial q_j}\right) \quad ----(3)$$

Consider the part $\frac{d}{dt}\left(\frac{\partial r_i}{\partial q_j}\right) = \frac{\partial}{\partial q_j}\left(\frac{\partial r_i}{\partial t}\right) = \frac{\partial \dot{r}_i}{\partial q_j}$ ----(4)

Similarly, $\frac{\partial r_i}{\partial q_j} = \frac{\partial\left(\frac{\partial r_i}{\partial t}\right)}{\partial\left(\frac{\partial q_j}{\partial t}\right)} = \frac{\partial \dot{r}_i}{\partial \dot{q}_j}$ ----(5)

Substituting equation (4) and (5) in equation (3)

$$\sum m_i \ddot{r}_i \frac{\partial r_i}{\partial q_j} = \sum \left[\frac{d}{dt}\left(m_i \dot{r}_i \frac{\partial r_i}{\partial q_j} \right) - m_i \dot{r}_i \frac{d}{dt}\left(\frac{\partial r_i}{\partial q_j} \right) \right] = \frac{d}{dt}\left[\frac{\partial}{\partial q_j}\left(\sum \frac{1}{2} m_i \left| \dot{r}_i \right|^2 \right) \right] - \frac{\partial}{\partial q_j}\left[\left(\sum \frac{1}{2} m_i \left| \dot{r}_i \right|^2 \right) \right]$$

$$= \frac{d}{dt}\frac{\partial T}{\partial \dot{q}_j} - \frac{\partial T}{\partial q_j} \quad ---(6)$$

Where T is the kinetic energy of the system is given by,

$T = \sum_i \frac{1}{2} m_i \left| \dot{r}_i \right|^2$ | *Equation*(2) *becomes*

$$\sum P_i \partial r_i = \left[\frac{d}{dt}\frac{\partial T}{\partial \dot{q}_j} - \frac{\partial T}{\partial q_j} \right] \partial q_j$$

Substituting in equation (1)

$$\sum \left[\frac{d}{dt}\left(\frac{\partial T}{\partial \dot{q}_j} \right) - \frac{\partial T}{\partial q_j} - Q_j \right] \partial q_j = 0 \quad -----(7)$$

Virtual displacement δq_j are all independent of one another. Hence the set of n equations. If the coefficient of δq_j is zero, the above equation becomes

$$\frac{d}{dt}\left(\frac{\partial T}{\partial \dot{q}_j} \right) - \frac{\partial T}{\partial q_j} = Q_j \quad ----(8)$$

The equations are valid in the case of conservative as well as non -conservative forces. These equations are called Lange range's equations. For conservative forces.

$$F_{ix} = \frac{-\partial V}{\partial x_i}; F_{iy} = \frac{-\partial V}{\partial y_i}; F_{iz} = \frac{-\partial V}{\partial z_i}$$

In the vector notations we can write,

$$F_i = -\nabla V \Rightarrow \nabla_i = i\frac{\partial}{\partial x_i} + j\frac{\partial}{\partial y_i} + k\frac{\partial}{\partial z_i}$$

Protentional energy function V is a function of r_i *or* q_j and is not a function of velocities $\dot{r}_i$ *or* $\dot{q}_j$

Under these circumstances, the generalised forces are given by,

$$Q_j = \sum F_{ix}\frac{\partial x_i}{\partial q_j} + F_{iy}\frac{\partial y_i}{\partial q_j} + F_{iz}\frac{\partial z_i}{\partial q_j} = -\sum \left[\frac{\partial V}{\partial x_i}\frac{\partial x_i}{\partial q_j} + \frac{\partial V}{\partial y_i}\frac{\partial y_i}{\partial q_j} + \frac{\partial V}{\partial z_i}\frac{\partial z_i}{\partial q_j} \right] = -\frac{\partial V}{\partial q_j} \cdots --(9)$$

The relation between potential energy function V and component Q_j of generalised conservative forces is of the same form as given in equation (8)

$\frac{\partial V}{\partial \dot{q}_j} = 0$ ∵ *potential energy is not depends on velocity*

Equation (8) becomes,

$$\frac{d}{dt}\left(\frac{\partial T}{\partial \dot{q}_j} \right) - \frac{\partial T}{\partial q_j} = -\frac{\partial V}{\partial q_j} \quad OR \quad \frac{d}{dt}\left(\frac{\partial}{\partial \dot{q}_j}(T - V) \right) - \frac{\partial}{\partial q_j}(T - V) = 0$$

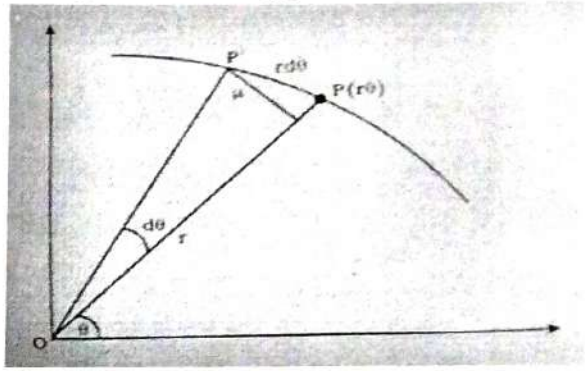
$$\frac{d}{dt}\frac{\partial L}{\partial \dot{q}_j}-\frac{\partial L}{\partial q_j}=0 \quad |Where\ L=T-V$$

Let the Langrage's function L be defined by,

$$L=L\left(q_1,q_2,q_3,.....q_n,\dot{q}_1,\dot{q}_2,\dot{q}_3,....\dot{q}_n\right)=T-V$$

9. Derive an expression for the total energy of a particle moving under central force.

Let us consider only the central forces where the potential is the function of 'r' only so that the force is always directed along r. Let a single particle move about a fixed centre of force which we assume to be the origin of coordinate system. Using polar coordinate (rθ). The kinetic energy of a particle is given by,



$$T=\frac{1}{2}\mu\left(\dot{r}^2+r^2\dot{\theta}^2\right)$$

Where μ is the reduced mass.

The potential energy V =V(r)

The Lagrange of the system is given by,

$$L=T-V=\frac{1}{2}\mu\left(\dot{r}^2+r^2\dot{\theta}^2\right)-V(r) \quad ----------(1)$$

As θ is cyclic co-ordinate, so that its conjugate angular momentum P_θ which is conserved is given by,

$$P_\theta=\frac{\partial L}{\partial \dot{\theta}}=\mu r^2\dot{\theta}$$

$$\dot{P}_\theta=\frac{d}{dt}\left(\mu r^2\dot{\theta}\right)=0 \quad ----------(2)$$

$$\left(\mu r^2\dot{\theta}\right)=Cons\tan t=J \quad ----------(3)$$

Where J is the angular momentum of a particle.

As μ is constant, the equation (2) becomes

$$\frac{d}{dt}\left(r^2\dot{\theta}\right)=0$$

$$\frac{d}{dt}\left(\frac{1}{2}r^2\dot{\theta}\right)=0 \quad |so\ that\ \frac{1}{2}r^2\dot{\theta}=Constant \quad ----------(4)$$

The term $\frac{1}{2}r^2\dot{\theta}$ represents the aerial velocity i,e. the area swept out by the radius vector per unit time.

If vector 'r' rotates by an angle dθ in time dt. The area swept out by r in time dt.

$$dA = \frac{1}{2} r(rd\theta) \quad \Rightarrow \quad \frac{dA}{dt} = \frac{1}{2} r^2 \frac{d\theta}{dt} = \frac{1}{2} r^2 \dot{\theta}$$

From equation (4),

$$\frac{dA}{dt} = \frac{1}{2} r^2 \dot{\theta} = Cons\tan t \quad \text{----------(5)}$$

From equation (1) gives

$$\left.\begin{aligned} \frac{\partial L}{\partial \dot{r}} &= \mu \dot{r} \\ \frac{\partial L}{\partial r} &= \mu r \theta^2 \end{aligned}\right\} \quad \text{----------(6)}$$

The Langrage equation in term of 'r' is given by,

$$\frac{d}{dt}\left(\frac{\partial L}{\partial \dot{r}}\right) - \frac{\partial L}{\partial r} = 0$$

$$\frac{d}{dt}(\mu \dot{r}) - \mu r \dot{\theta}^2 + \frac{\partial V}{\partial r} = 0 \quad \text{----------(7)}$$

If we represent the force along 'r' by F(r) then we have, $F(r) = -\frac{\partial V}{\partial r}$

So that equation (7) can be written as,

$$\mu \ddot{r} - \mu r \dot{\theta}^2 = F(r) \quad \text{----------(8)}$$

This is the general equation of motion.

From equation (3) $\dot{\theta} = \frac{J}{\mu r^2} \quad \Rightarrow \quad \dot{\theta}^2 = \frac{J^2}{\mu^2 r^4}$

So that equation (8) gives,

$$\mu \ddot{r} = \frac{J^2}{\mu r^3} + F(r) = \frac{J^2}{\mu r^3} - \frac{\partial V}{\partial r} = \frac{1}{2} \frac{\partial}{\partial r}\left(\frac{J^2}{\mu r^2}\right) - \frac{\partial V}{\partial r}$$

$$\mu \ddot{r} = -\frac{\partial}{\partial r}\left(\frac{1}{2} \frac{J^2}{\mu r^2} + V\right) \quad \text{----------(10)}$$

Multiplying on both sides of this equation by $\dot{r}$ we get,

$$\dot{r}(\mu \ddot{r}) = -\frac{\partial}{\partial r}\left(\frac{1}{2} \frac{J^2}{\mu r^2} + V\right)\dot{r}$$

$$\frac{d}{dt}\left(\frac{1}{2} \mu \dot{r}^2\right) = -\frac{\partial}{\partial r}\left(\frac{1}{2} \frac{J^2}{\mu r^2} + V\right) \quad \because \dot{r} = \frac{\partial r}{\partial t}$$

$$\frac{d}{dt}\left(\frac{1}{2} \mu \dot{r}^2 + \frac{1}{2} \frac{J^2}{\mu r^2} + V\right) = 0$$

$$\frac{1}{2} \mu \dot{r}^2 + \frac{1}{2} \frac{J^2}{\mu r^2} + V = Cons\tan t \quad \text{----------(11)}$$

But Kinetic energy, $T = \frac{1}{2}\mu\left(\dot{r}^2 + r^2\dot{\theta}^2\right) = \frac{1}{2}\mu\left(\dot{r}^2 + \frac{J^2}{\mu^2 r^2}\right) \quad \because \quad \dot{\theta}^2 = \frac{J^2}{\mu^2 r^4}$

$$T = \frac{1}{2}\mu\dot{r}^2 + \frac{1}{2}\frac{J^2}{\mu r^2}$$

And potential energy =V

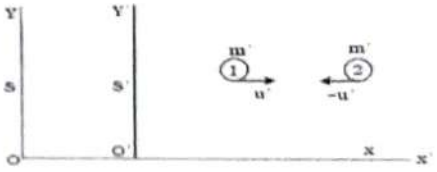
Total energy $E = T + V = \frac{1}{2}\mu\dot{r}^2 + \frac{1}{2}\frac{J^2}{\mu r^2} + V$ ----------(12)

From equation (11) and (12) we have,

$$\frac{1}{2}\mu\dot{r}^2 + \frac{1}{2}\frac{J^2}{\mu r^2} + V = E = Cons\tan t \quad \text{----------(13)}$$

i,e. total energy of the system is constant. Hence the above equation represents the total energy of a particle under central force.

10.Derive the relation for variation of mass with velocity.



Consider two bodies each of mass m' moving in opposite directions along the x' axis with velocities u' and –u' as observed from frame of reference S'. Let these bodies collide and coalesce into one body. The body this formed will be at rest according to the law of conservation of momentum w.r.t to system S'. If the collision of the two bodies is observed from frame of reference S. Thevelocities of the bodies as observed from S will be given by,

$$u_1 = \frac{u' + v}{1 + \frac{u'v}{c^2}} \quad and \quad u_2 = \frac{-u' + v}{1 - \frac{u'v}{c^2}} \quad \text{-----(1)}$$

Where u_1 and u_2 are the velocities along the x-axis. Let m_1 and m_2 will be the masses of the two bodies w.r.t. frame S. Then the body formed when the two bodies coalesce into each other has a mass (m_1+m_2) by the law of conservation of mass and it moves with a velocity v along x-axis w.r.t. S. This body is rest w.r.t. S'. Then, by the law of conservation of momentum we can write,

$$m_1u_1 + m_2u_2 = (m_1 + m_2)v \quad \text{----(2)}$$

Substitute the values of u_1 and u_2 from (1) in equation (2)

$$m_1\left(\frac{u' + v}{1 + \frac{u'v}{c^2}}\right) + m_2\left(\frac{-u' + v}{1 - \frac{u'v}{c^2}}\right) = (m_1 + m_2)v \quad \text{----(3)}$$

$$1-\frac{u_1^2}{c^2}=1-\frac{1}{c^2}\left(\frac{u'+v}{1+\frac{u'v}{c^2}}\right)^2=\frac{c^2\left(1+\frac{u'v}{c^2}\right)^2-\left(u'+v\right)^2}{c^2\left(1+\frac{u'v}{c^2}\right)^2}$$

$$=\frac{c^2\left[1+\left(\frac{u'v}{c^2}\right)^2+\frac{2u'v}{c^2}\right]-\left(u'^2+v^2+2u'v\right)}{c^2\left(1+\frac{u'v}{c^2}\right)^2}$$

$$=\frac{c^2+\frac{u'^2v^2}{c^2}-2u'v-u'^2-v^2-2u'v}{c^2\left(1+\frac{u'v}{c^2}\right)^2}=\frac{c^2+\frac{u'^2v^2}{c^2}-u'^2\frac{c^2v^2}{c^2}}{c^2\left(1+\frac{u'v}{c^2}\right)^2}=\frac{c^2\left(1-\frac{v^2}{c^2}\right)-u'^2\left(1-\frac{v^2}{c^2}\right)}{c^2\left(1+\frac{u'v}{c^2}\right)^2}$$

$$1-\frac{u_1^2}{c^2}=\frac{\left(1-\frac{v^2}{c^2}\right)\left(c^2-u'^2\right)}{c^2\left(1+\frac{u'v}{c^2}\right)^2}=\frac{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)c^2}{c^2\left(1+\frac{u'v}{c^2}\right)^2}=\frac{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)}{\left(1+\frac{u'v}{c^2}\right)^2}$$

$$\sqrt{1-\frac{u_1^2}{c^2}}=\frac{\sqrt{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)}}{1+\frac{u'v}{c^2}}$$

$$\therefore 1+\frac{u'v}{c^2}=\frac{\sqrt{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)}}{\sqrt{1+\frac{u'v}{c^2}}} \qquad --------(5)$$

Similarly, $\left(1-\frac{u'v}{c^2}\right)=\frac{\sqrt{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)}}{\sqrt{1+\frac{u_2^2}{c^2}}} \qquad ---(6)$

Substituting these values in equation (4),

$$\frac{m_1}{m_2}=\frac{1+\frac{u'v}{c^2}}{1-\frac{u'v}{c^2}}=\frac{\frac{\sqrt{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)}}{\sqrt{1-\frac{u_1^2}{c^2}}}}{\frac{\sqrt{\left(1-\frac{v^2}{c^2}\right)\left(1-\frac{u'^2}{c^2}\right)}}{\sqrt{1+\frac{u_2^2}{c^2}}}}$$

$$\frac{m_1}{m_2}=\frac{\sqrt{1+\frac{u_2^2}{c^2}}}{\sqrt{1-\frac{u_1^2}{c^2}}} \qquad \text{------(7)}$$

If the velocity of the second body as observed is zero u_2=0 then, its mass m_2 can be considered by m_0.

The symbol m_0 gives the mass of a body when it is at rest w.r.t. the frame ofreference being used.

Let u_1=v i.e., velocity of the first body w.r.t. S is 'v'. We can write m_1=m then, equation (7) becomes,

$$\frac{m}{m_0}=\frac{1}{\sqrt{1-\frac{v^2}{c^2}}} \qquad OR \quad m=\frac{m_0}{\sqrt{1-\frac{v^2}{c^2}}} \text{------(8)}$$

11. State and prove Thevenin's theorem.

In any two terminals of a linear network containing sources of emf and impedances can be replaced by a single voltage source in series with single impedance. The emf of the voltage source is the potential difference between the terminals of the network, when no external circuit is connected to them. The series impedance is the equivalent impedance between the terminals when all the internal sources of emf are replaced by their internal resistance.

Proof: Consider a network containing DC source of emf E and resistance R_1, R_2, R_3 and R_L. A and B are the two terminals in the network and R_L is the load connected between A and B. I_1 and I_L are currents passing through the active and passive mesh respectively.

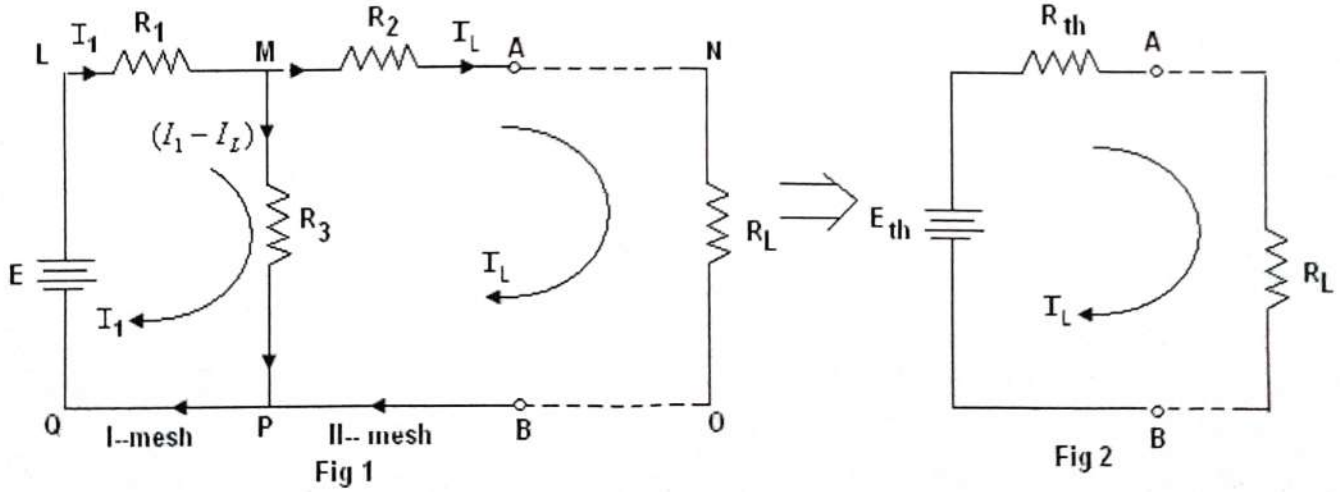


Fig 1 Fig 2

By applying Kirchhoff's voltage law to I--mesh (LMPQL)

$$I_1R_1+(I_1-I_L)R_3=E$$

$$I_1(R_1+R_3)-I_LR_3=E \text{---------- (1)}$$

Applying Kirchhoff's voltage law to II--mesh (MNOPM)

$$I_L R_2 + I_L R_L - (I_1 - I_L)R_3 = 0$$

$$I_L R_2 + I_L R_L + I_L R_3 - I_1 R_3 = 0$$

$$I_L(R_2 + R_L + R_3) = I_1 R_3$$

$$I_1 = \frac{I_L(R_2 + R_L + R_3)}{R_3} \quad \text{---------- (2)}$$

Substituting equation (2) in equation (1)

$$\frac{I_L(R_2 + R_L + R_3)(R_1 + R_3)}{R_3} - I_L R_3 = E$$

$$I_L(R_2 + R_L + R_3)(R_1 + R_3) - I_L R_3^2 = ER_3$$

$$I_L(R_1R_2 + R_1R_L + R_1R_3 + R_2R_3 + R_LR_3 + R_3^2) - I_L R_3^2 = ER_3$$

$$I_L(R_1R_2 + R_1R_L + R_1R_3 + R_2R_3 + R_LR_3 + R_3^2 - R_3^2) = ER_3$$

$$I_L = \frac{ER_3}{(R_1R_2 + R_1R_L + R_1R_3 + R_2R_3 + R_LR_3)}$$

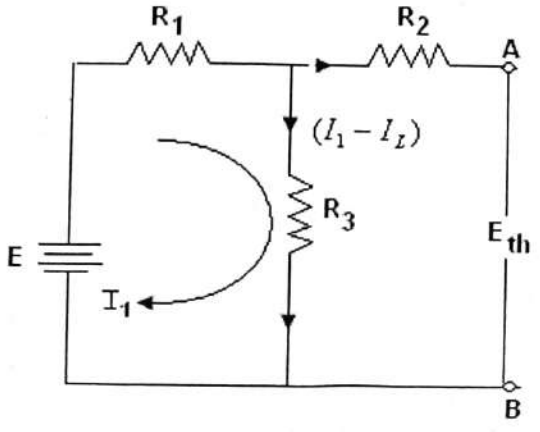
$$I_L = \frac{ER_3}{R_1(R_2 + R_L) + R_3(R_2 + R_L) + R_LR_3}$$

$$I_L = \frac{ER_3}{(R_1 + R_3)(R_2 + R_L) + R_1R_3}$$

Dividing (R_1+R_3) then

$$I_L = \frac{ER_3 / (R_1 + R_3)}{(R_2 + R_L) + \frac{R_1R_3}{R_1 + R_3}} \quad \text{---------- (3)}$$

Potential difference across the terminals A and B (E_{th}):



The current in the circuit I_1 is $I_1 = \frac{E}{R_1 + R_3}$

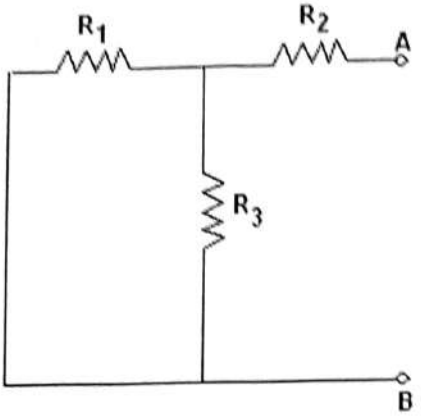
The open circuit voltage $\mathbf{E_{th}}$ is the pd across terminals A and B, when R_L is disconnected, then the current in the circuit

$$I_1 = \frac{E}{R_1 + R_3}$$

Open circuit voltage

$$E_{th} = I_1 \times R_3 = \frac{E}{R_1 + R_3} \times R_3 \text{ ---------- (4)}$$

Equivalent resistance (R_{th}):



$R_{th}=R+R_2$

$$\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_3}$$

$$\frac{1}{R} = \frac{R_1 + R_3}{R_1 R_3}$$

$$R = \frac{R_1 R_3}{R_1 + R_3} + R_2 \text{ ---------- (5)}$$

Put equation (4) and equation (5) in equation (3) we get

$$I_L = \frac{E_{th}}{R_L + R_{th}} \text{ ---------- (6)}$$

From figure (2) we have

$$I_L = \frac{E_{th}}{R_L + R_{th}} \text{ ---------- (7)}$$

Equation (6) = Equation (7)

This proves the Thevenin's theorem

12. Explain the working of Hartley oscillator, with a neat circuit diagram. Write expression for its frequency.

The Hartley oscillator is similar to Colpitts's oscillator with minor modifications, instead of using tapped capacitors, two inductors L_1, and L_2 are placed across a common capacitor C and the center of the inductors is tapped as shown in Fig. The tank circuit is made

up of L_1, L_2 and C ***The*** frequency of oscillations is determined by the L_1, L_2 and C and is given by

$$f = \frac{1}{2\pi\sqrt{CL_T}} \; Hz$$

Where $L_T = L_1 + L_2 + 2M$

Here, M = mutual inductance between L_1 and L_2

Note that $L_1 - L_2 - C$ is also the feedback network that produces a phase shift of 180°.

Circuit operation: When the circuit is turned on, the capacitor, charged. When this capacitor is fully charged, it discharges through L_1 and L_2 setting up oscillations of frequency determined by $f = \frac{1}{2\pi\sqrt{CL_T}} \; Hz$.

The output voltage of the amplifier appears across L_1 and feedback voltage across L_2. The voltage across L_2 is 180° out of phase with the voltage developed across L_1 (V_{out}) as shown in Fig (ii). It is easy to see that voltage feedback (i.e., voltage across L_2) to provide positive feedback. A phase shift of 180° is produced by the transistor and a further phase shift of 180° is produced $L_1 - L_2$ voltage divider. In this way, feedback is properly phased to produce continuous undamped oscillations.

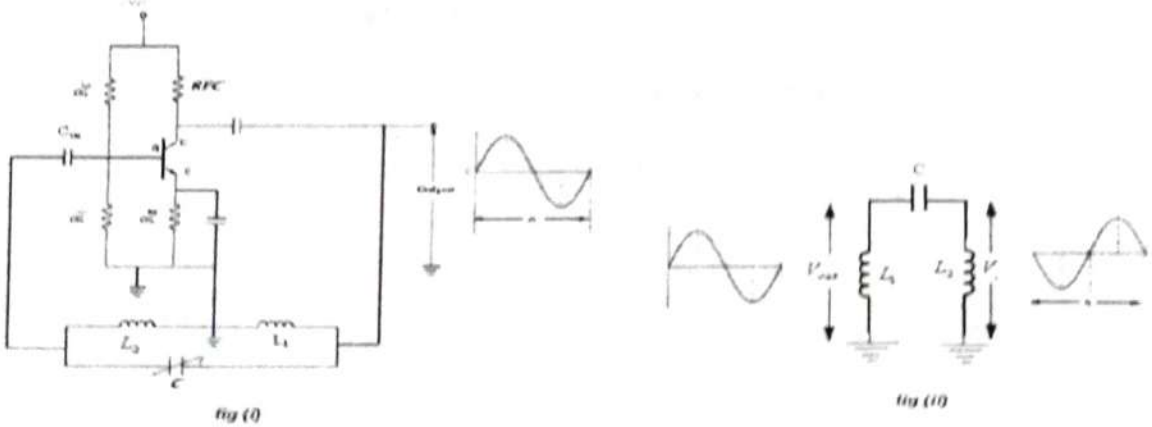


fig (i)

fig (ii)

Feedback fraction β: In Hartley oscillator, the feedback voltage is across L_2 and output voltage is across L_1

Feedback fraction $\beta = \frac{V_f}{V_{out}} = \frac{XL_2}{XL_1} = \frac{L_2}{L_1}$

188, 159

(26)

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J. S. S. Arts, Science and Commerce College, Gokak - 591307

Dist : Belagavi, Karnataka

NAAC Accredited with 'A' Grade (Third Cycle)

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Miss/Dr. SRILAKSHMI BALAVANT KULKARNI *of* K.L.E. Society's B.K. College, Chikodi *has presented poster / participated in an* ***IQAC*** *initiative* ***Karnataka Science and Technology Academy*** *sponsored* ***One Day National Conference on Recent Advances in Chemical Science*** *organized by the Department of Chemistry (U.G. & P.G.) held on 23rd July 2022.*

Convener	Organizing Secretory	IQAC Coordinator	Principal

Gokak Education Society's

J. S. S. Arts, Science and Commerce College, Gokak - 591307

Dist : Belagavi, Karnataka

NAAC Accredited with 'A' Grade (Third Cycle)

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Miss/Dr. SHILPA RAMESH DATTAWADE *of* K.L.E. Society's B.K. College Chikodi *has presented poster / participated in an* ***IQAC*** *initiative* ***Karnataka Science and Technology Academy*** *sponsored* ***One Day National Conference on Recent Advances in Chemical Science*** *organized by the Department of Chemistry (U.G. & P.G.) held on 23rd July 2022.*

Convener **Organizing Secretory** **IQAC Coordinator** **Principal**

K. L. E. Society's

Raja Lakhamagouda Science Institute

[Autonomous] Belagavi

CERTIFICATE

This is to certify that ~~Mr~~/ Miss MANALI M PATIL

of K.L.E's B.K. COLLEGE, CHIKODI has Participated & Presented

on the topic CLIMATE CHANGE & ENERGY in the One Day National Seminar on **"Climate Change & Its Impact"** Organized by Department of Chemistry in association with IQAC, held on 30th July, 2022.

Shri. Purushothama I.	Dr. B. G. Bevinkatti	Dr.(Ms.) K. S. Byadagi	Dr. (Smt.) J. S. Kawalekar
Organizing Secretary	Convener	IQAC Coordinator	Principal

K.L.E. Society's
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(Accredited at 'A' with 3.26 CGPA in 3rd Cycle)
Website: www.klesbkcollegechikodi.edu.in e-mail: kles_bkcc@rediffmail.com ☎ : 08338 – 272176

NOTICE

Competition on making eco-friendly organic Ganesha idols (Murthy)

A competition is organised in association with K.L.E. Society's B.K. College, Chikodi and Karnataka State Pollution Control Board Chikodi (KSPCB) as per the MoU.

All the students are hereby inform to make the organic Ganesha idol (Murthy) using turmeric mixed with dough, by referring the video links provided in your class WhatsApp group and a photo of the same with the participant must be uploaded to the given link.

Further students are informed to bring the Ganesha idol (Murthy) to college on 04th September 2021 at 11:00 am for display in the Sabha Bhavan. Best three idol (Murthy) are given prizes by KSPCB

R Wadagavi

Chairman Science Association

PRINCIPAL

For more details contact : Prof R. R. Wadagavi
9449938855

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Date: 19/01/2022

P.G. DEPARTMENT OF COMMERCE AND MANAGEMENT

NOTICE

The P.G. Department of Commerce and Management is decided to organize a **"Case Study Analysis"** Competition for M.com I and II year students. Hence interested students are here by informed to enroll your team on or before 21st January 2022 to Prof. Vishal Khot.

The competition is consists of two rounds. In the first round one case will be given to all teams and teams should analyze the case and submit the analysis in written form. Top 10 teams will be selected for final round.

The competition will be held on 24th January, 2022 in Lecturer Hall No 32 at 2.30pm.

General Instructions:

1. There will be team participation and each team must consist of 2 students.
2. In each team there should be 1student from I year and 1 student from II year.
3. The time limit is 45 minutes.

CO-ORDINATOR
Commerce Programmes

Principal
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
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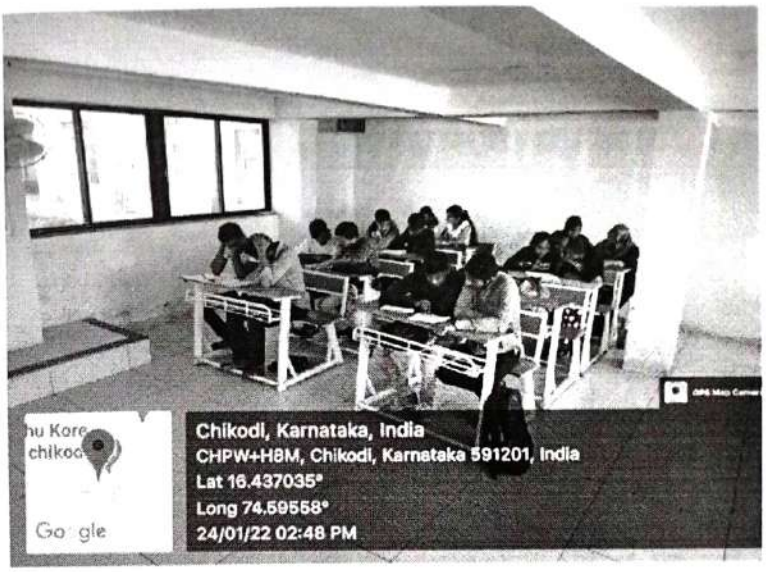
PG DEPARTMENT OF COMMERCE AND MANAGEMENT

Title of the Activity	Case Study Analysis Competition
Time and Date	2.30pm to 3.30 pm, 24 January 2022
No. of Participants	14
Place	Lecturer Hall No. 32
Convenor of the Activity	Prof. Vishal Khot
Objectives	➢ To give an opportunity to learn about situation or case. ➢ To encourage creativity and analysis skills through this competition. ➢ To demonstrate the ability to comprehend case and draw suggestions for situation.
Summary of the Proceedings	The Case Study Analysis Competition was organized by PG Department of Commerce and Management for M.Com I and III semester students on 24/01/2022 In the Case Study Analysis Competition students were asked to recommend suggestions for given Case. In this Competition total 14 students were participated as 7 teams. One Case was given to these teams and instructed them to analyze the case and recommend better solution for the given problem. Total 45 minutes was given for student to analyze the case and to draw recommendations and at the end students were submitted their Analysis Report in written form. The analysis was evaluated in 3 major headings such as Summary of the Case, Identification of problem and Recommendation for problems and total 20 marks were allocated for analysis. The team of Miss. Jyoti Kanade and Miss. Soumya Kumbar got First prize with 17 marks, The team of Miss. Tabassum Shaikh and Miss. Bibibatul Desai got Second prize with16 marks and Third prize was shared between two teams namely team of Mr. Vishwanath Duggani and Mr. Parshwanath Jayagonda & team of Mr. Ubedulla Bagwale and Mr. Sahil Jamadar with 14 marks. At the end certificates were issued to all the winners.
Outcomes	Students have shown their creativity in many ways and got idea about how to analyze things from different angles.

PHOTOS:



Students were making discussion and preaparing case study report in " Case Study Analysis Competition" which was held on 24/01/2022.

COORDINATOR
Commerce Programmes

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

The P.G. Department of Commerce and Management organized **'Case Study Analysis'** competition for M.Com I & III Sem Students on 24th January, 2022 at 2.30 pm to 3.30 pm in KLE Society's B K College, Chikodi. Total **14** students were participated in this competition.

Objectives:

- To give an opportunity to learn about situation or case.
- To encourage creativity and analysis skills through this competition.
- To demonstrate the ability to comprehend case and draw suggestions for situation.

DETAILED REPORT

With an aim to enhance the creativity and analysis skills among the students PG Department of Commerce & Management organized "Case Study Analysis" Competition for M.Com I & III Sem students on 24th January 2022 at 2.30 pm to 3.30 pm. Notice was sent to the students on 19-01-2022 and time was given to enroll team names till 21-01-2022.

In the Case Study Analysis Competition students were asked to recommend suggestions for given Case. In this Competition total 14 students were participated as 7 teams. One Case was given to these teams and instructed them to analyze the case and recommend better solution for the given problem. Total 45 minutes was given for student to analyze the case and to draw recommendations and at the end students were submitted their Analysis Report in written form.

The analysis was evaluated in 3 major headings such as Summary of the Case, Identification of problem and Recommendation for problems and total 20 marks were allocated for analysis.

The team of Miss. Jyoti Kanade and Miss. Soumya Kumbar got First prize with 17 marks, The team of Miss. Tabassum Shaikh and Miss. Bibibatul Desai got Second prize with16 marks and Third prize was shared between two teams namely team of Mr. Vishwanath Duggani and Mr. Parshwanath Jayagonda & team of Mr. Ubedulla Bagwale and Mr. Sahil Jamadar with 14 marks. At the end certificates were issued to all the winners.

Outcomes of this Activity:

Students have shown their creativity in many ways and got idea about how to analyze things from different angles.

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P.G. DEPARTMENT OF COMMERCE AND MANAGEMENT

CASE STUDY ANALYSIS COMPETITION

Attendance Sheet cum Result Sheet

Sl.No	Team No	Name of the Students	Class	Total Marks	Total marks Obtained	Signature
1	1	Sachin Dabba	M.Com II	20	10	
2		Abhishek Naik	M.Com I			
3	2	Vishwanath Duggani	M.Com II	20	14	
4		Parshwanath Jayagonda	M.Com I			
5	3	Ubedulla Bagwale	M.Com II	20	14	
6		Sahil Jamadar	M.Com I			
7	4	Jyoti Kanade	M.Com II	20	17	
8		Soumya Kumbar	M.Com I			
9	5	Daneshwari Neelakhantanavar	M.Com II	20	13	
10		Shubhangi Naik	M.Com I			
11	6	Tabasum Shaikh	M.Com II	20	16	
12		Bibibatul Deasi	M.Com II			
13	7	Adesh Kudache	M.Com II	20	10	
14		Vikas Gudase	M.Com I			

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P.G. DEPARTMENT OF COMMERCE AND MANAGEMENT

CASE STUDY ANALYSIS COMPETITION

Instructions:

1. The time limit is 45 minutes.
2. Total marks allotted for analysis is 20.
3. Teams should analyze the case and submit the analysis in written form.

CASE STUDY

Somesh Sharma grew up in a robust north Indian family where taking medicines for petty problems was frowned upon. Elders in the family believed that minor ailments could be cured by appropriate precaution and diet control. Somesh particularly remembered how he chided for wanting to eat ice- cream when his throat was sore. He was not only denied his favorite ice-cream, but was also administered liberal doses for ginger juice.

Somesh majored in commerce in college and rounded-off his studies with MBA in marketing from USA. He returned to India and bought out Cool Cream Pvt. Ltd., a company recognized as manufacturer of finest ice-cream throughout the country.

Somesh was visiting his elder sister who stayed in another town when his throat gets infected. Out of the old habit, he gave up ice-cream and asked his sister for some ginger juice. His sister, out of sympathy for her brother, mixed some ginger juice in a bowl of ice-cream and Somesh ate the innovative product with great delight.

The entrepreneur in Somesh told him that his sister had an excellent marketable product. Shortly after returning of his company, Somesh instructed the R&D centre at Cool Cream to develop a ginger ice-cream. The product so developed was named Adrak Ice-cream. The concept of an ice-cream containing ginger, which would protect the throats of those who relished ice-creams, was seen to have been well received.

Somesh thereafter, called a conference of various department heads to work out a pricing strategy for Adrak Ice cream. The manager for finance wanted the price to be cost of the product plus a 100 percent profit. The R&D chief supported him. He emphasized that the product would be copied in no time and cool cream would lose all the advantages and investments for developing the idea. The sales team advocated a low price to introduce the product so that it would be accepted in the market.

The manufacturing manager was not willing to compromise on quality to cut the price/cost. He insisted that Cool Cream must maintain its fair name at all costs. The purchase manager pointed out to the difficulties of buying and keeping stocks of an agriculture product like ginger. He added that this would add to the cost.

You were invited to this brainstorming session as a consultant and are required recommend a pricing strategy to Somesh Sharma, the owner of the Cool Cream Pvt. Ltd.,

Q.1 Analyze the case and give appropriate solution

Q.2 Do you think the idea of introducing 'Ice- cream with Ginger flavor' will capture the market and sales will increase? Why? or why not?

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Department of Commerce

2021-22

Title of the Programme	Quiz – The Battle Among Geniuses	
Date & time	07.01.2022	
Venue	Auditorium (Sabhabhavan)	
Jury	Dr. Lakshmikantha Nayaka TO and Miss P. P. Kulkarni	
Event coordinator	Prof. N. B. Patil	Student Coordinators: M. Com Students
No. of Beneficiaries	Participants: Qualify round: 40 teams of 80 students. Final round: 10 teams of 20 students	Audience: 42
Objectives	To evaluate the subject knowledge of students. To provide an opportunity for students to participate and learn from the competition. To encourage students to look beyond their textual knowledge and establish a relationship between theory and application of the learnt concepts. To enhance the thinking abilities of the students.	
Summary of the Proceedings	Quiz competition through ppt was organized at the end of semester for B.Com students with an object to evaluate subject knowledge of students. 80 Students have participated in qualifying round out of which 10 teams of 20 students have qualified for final round. The final round of competition started by Prof. N. B. Patil by welcoming Judge, participants, audience and all faculties. Ten teams consists of 2 students been allotted the participation seats. All general instructions of competition are given to them & all rounds have been carried by M. Com II year students. The quiz consists of total 5 rounds and 20 points (marks). First round titled as Prashnottar which included total 16 MCQs on commerce subject, 2 MCQs to each team. The second round – Anveshane and Journal Entry consists of 2 questions where in few statements are given as hint and participants have to identify the word hided in the hints. Third round named Gamanisi-Gurutisi in which 4 logs of one companies/product have been displayed to each team where 3 of 4 are duplicate or wrong logogs, with 2 points for right identifications. In the	

Fourth round – Prashnottar where 2 general questions have been asked to each team. To improve the thinking abilities of participants the final round of the quiz was kept and titled it as Hudukiri-Tilisiri. The fifth round was very interesting. In this round More risk More return where students given option to choose marks for questions before disclosing the questions. Who takes more risk will earn more marks with right answer else loose marks. Each, have been asked two questions. At the end of each round there were questions asked to the audience and jury was announcing the points earned by each team.

Prof. U. R. Rajpu, Principal, Prof. V. V. Patil, Head of Department and faculties were present in the competition.

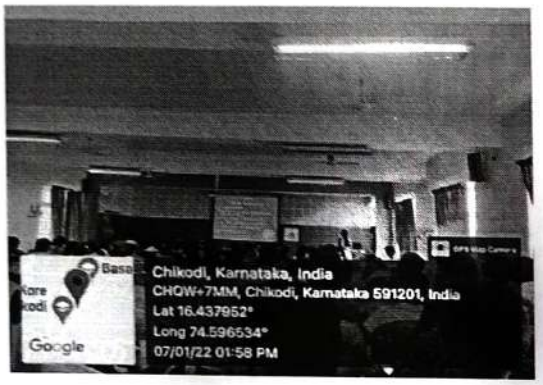
Dr. Lakshmkantha Nayaka TO, a jury, addressed the gathering at the end. He appreciated the participants for their performance. He announced the prizes and points of all teams. Principal, HoD, Jury and Coordinator have distributed prizes to 3 winners teams and participation certificates to all teams. The winners details is as follows;

- I prize won by team '01' with 12 points.
  Team members: Supriya Hinamane and Sindhu Murachitte
- II prize won by team '02' with 10 points.
  Team members: Prajakta Shinde and Nikita Magadum
- III prize won by team '04' with 11.5 points.
  Team members: Laxmi Mirje and Jyoti Mayannavar

Points scored by other teams: 5 by 03; 6 by 05; 3 by 07; 5 by 08; 8 by 09 and 5 by 10.

In the prize announcement and distribution function, Prof. U. R. Rajput addressed the gathering. Winning and losing both are the parts of competition, all participants will not win as well as all participants will not lose but participating in this kind of competitions is appreciable and this will improve your knowledge, skill and confidence, he said. He encouraged the students to organize and participate in the various competitions and events for improving the skills.

The competition was concluded with vote of thanks by Prof. N. B. Patil



Head of the Department
HEAD
Department of Commerce

Principal
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Department of Commerce

IQAC Initiative

Inter Class Quiz Competition by Commerce Association

QUIZ-21

CONGRATULATIONS TO ALL THE PARTICIPANTS

Result of First Round/Qualifying Round

Sl. No.	Name of students	Roll no.	Marks obtained	Remarks
B. Com - I A				
1	Aishwarya Kurane	04	26	Qualified*
	Laxmi Alagaravat	37		
2	Adarsh Lakkannavar	01	26	Qualified*
	Bharatesh Chougala	17		
3	Jyoti Mayannavar	35	26	Qualified*
	Laxmi Mirje	36		
4	Aishwarya Bagewadi	03	18	
	Aishwarya Teli	05		
5	Jyoti Gotur	33	14	
	Bhumika Patil	20		
6	Mahesh Wagge	40	14	
	Bhimu Shingade	19		
7	Madhur Parakanatti	38	24	
	Pramod Kamble	53		
8	Iragouda Salagannavar	29	14	
	Pavan Patil	49		
9	Pavankumar Halakarni	50	14	
	Rahul Muragali	57		
10	Pallavi Madrasi	48	20	
	Bibihajra Ramzan	21		
B. Com - I B				
1	Sakshi Honamane	70	22	
	Shrutika Khot	91		
2	Shivaraj Patil	88	22	
	Rehan Nadaf	62		
3	Ramesh Mugali	58	18	
	Shivanand Honamane	87		

B. Com III A				
1	Bhoomi Patil	19	24	
	Ashwini Dalawai	13		
2	Akshata Shanawad	04	22	
	Altaf Mulla	06		
3	Kanchana Marihal	37	28	
	Apoorva Mangaj	11		
4	Kaveri Amate	38	30	Qualified
	Maithili Joshi	30		
5	Pooja Tukare	59	32	Qualified
	Kajal Magadum	36		
B. Com III B				
1	Snehal Dodamani	102	28	Qualified
	Prajakta Kasar	63		
2	Pratiksha Morade	72	20	
	Rupali Koli	84		
3	Sonali Shirole	103	38	Qualified
	Shweta Kumbar	100		

**3 teams from B.Com IA scored same marks. As per rules only two teams from each class/division should be selected for final round, hence, of these 3 teams 2 teams will be selected based on additional test.*

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Commerce Coordinator

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Department of Commerce

Inter Class Quiz Competition by Commerce Association

QUIZ-21

First Round/Qualifying Round

Instruction to the candidates;

1. *This test consists of 25 questions; each right answer carries maximum 2 marks.*
2. *Tick " V " against your choice of the given options.*
3. *Answers will not consider, If more than one options are marked.*
4. *Duration: 30 minutes.*

Class and division	Name of students	Roll no	Marks
	1.	1.	
	2.	2.	

1. When KLE Society established?

[A] 13th November, 1962 [B] 13th November, 1961
[C] 13th November, 1916 [D] 13th November, 1960

2. The Sensex of India has crossed which milestone mark recently?

[A] 30,000 [B] 50,000
[C] 40,000 [D] 75,000

3. The birth anniversary of which freedom fighter is to be celebrated as "Parakram Diwas" every year?

[A] Sardar Vallabh Bhai Patel [B] Subash Chandra Bose
[C] V D Savarkar [D] Bal Gangadhar Tilak

4. Which of the following define the meaning of RAM?

[A] It is a memory which both read and written.
[B] It is a memory which only be read.
[C] It is a memory which is used for permanent storage.
[D] It is a memory which can only be written.

5. Suresh, on 1st April, 2020 invested Rs. 500 in SBI at 10% p.a. rate of interest for 2 years. He also invested Rs. 300 in ICICI at 10% p.a. rate of interest for 4 years. How much simple interest he will earn from his investments till 31st March, 2022?

[A] Rs. 130 [B] Rs. 220
[C] Rs. 110 [D] Rs. 160

6. Which of the followings is correctly punctuated?

[A] Teachers' day
[B] Teachers day
[C] Teacher day
[D] Teacher's day

7. Mr. Kuber borrowed a sum of Rs.10,000 from bank at 8% p.a. simple interest on 1st January,2021. He paid Rs.400 interest to bank on 30th September, 2021. What is the unpaid amount of interest on 30th September?

[A] Rs. 400
[B] Rs. 600
[C] Rs. 200
[D] Rs. 750

8. Pointing to Satish, Ashok said, "He is the son of my sister's only brother". How is Satish related to Ashok?

[A] Son
[B] Brother
[C] Grandson
[D] Nephew

9. If A is a brother of B, C is the sister of D, D is the brother of E, E is the daughter of B, F is the father of C, who is the uncle of D?

[A] A
[B] C
[C] B
[D] None of these

10. Which of the followings is not a liability?

[A] Loans borrowed
[B] Income received in advance
[C] Outstanding expenses
[D] Prepaid expenses

11. _____ deals with buying and selling, especially on a large scale.

[A] Shopping
[B] Commerce
[C] Distribution
[D] Both A and B

12. Select the correct option to match the followings.

i. Companies Act	a. 2017
ii. Goods and Service Tax Act	b. 2013
iii. Reserve Bank of India	c. 1932
iv. Partnership Act	d. 1935

[A] a, c, d, b
[B] b, a, d, c
[C] c, a, c, d
[D] a, d, c, b

13. What is the file format of Microsoft Word?

[A] .pptx
[B] .docx
[C] .jpeg
[D] .xlsx

14. Which is the correct sequence of accounting process?

[A] Identifying, measuring, presentation, classifying, recording and summarizing
[B] Recording, measuring, identifying, classifying, presentation and summarizing
[C] Recording, measuring, identifying, classifying, summarizing and presentation
[D] Identifying, measuring, recording, classifying, summarizing and presentation

15. Which of the following is not a function of management?

[A] Organizing
[B] Directing
[C] Punishing
[D] Both A and B

16. Select the correct option for the given transaction.

Transaction: Cash withdrawn from bank for personal use Rs. 1,000.

Journal entry: Drawings Account Dr. 1,000

To Bank Account 1,000

Reason/rule: Drawings increases and Bank balance decreased

[A] Both journal entry & reason are correct

[B] Journal entry is correct but reason is incorrect

[C] Journal entry is incorrect but reason is correct

[D] Both journal entry & reason are incorrect

17. Mohan was facing east. He walked 4 km forward and then after turning to his right walked 3 km. Again he turned to his right and walked 4 km. After this he turned back. Which direction was he facing at that time?

[A] East [B] West [C] North [D] South

18. What is the correct equation of accounting?

[A] Capital = Assets – Liabilities [B] Assets = Capital - Liabilities

[C] Liabilities = Assets + Capital [D] Capital = Assets + Liabilities

19. Assume you have entered in to hall no 13 of our college, and then you turned into right walked 3 feet. Then you turned back. Which direction are you facing at that time?

[A] East [B] West [C] North [D] South

20. Select the odd one from the followings.

[A] Printer [B] Key board [C] Mouse [D] Scanner

21. Who is the chairman of KLE Society?

[A] Shri Mahantesh Kavatagimath [B] Shri Amit Kore

[C] Dr. Prabhakar Kore [D] Shri Shivanand Koujalagi

22. Select the correct statement.

[A] Salaries and wages is debited to p & l account as it is direct expenses

[B] Salaries and wages is debited to p & l account as it is indirect expenses

[C] Salaries and wages is debited to trading account as it is direct expenses

[D] Salaries and wages is debited to trading account as it is indirect expenses

23. The supply of a good refers to _____

[A] Stock available for sale [B] Quantity of the good offered for sale

[C] Total stock in the warehouse [D] Total production of goods

24. Which one of the following is not the major type of ecommerce?

[A] C2B [B] B2C [C] B2B [D] C2C

25. Mention the name of company/organization/institution of the given logo.

INFLIBNET | NLIST

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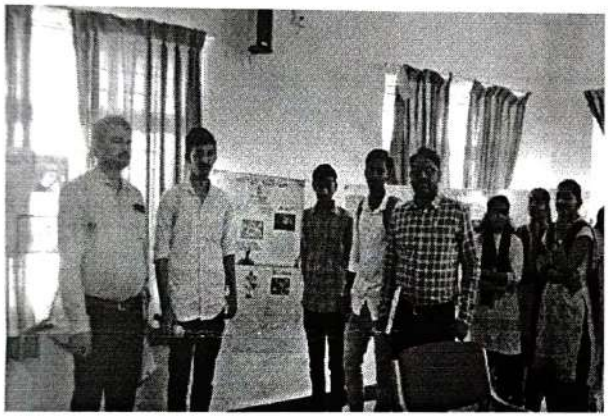
Basavaprabhu Kore Arts, Science and Commerce College, Chikodi
(Accredited at 'A' by NAAC with 3.26 CGPA)
Website: www.klesbkcollegechikodi.edu.ine-mail: kles_bkcc@rediffmail.comPh: 08338-272173

Department of Commerce

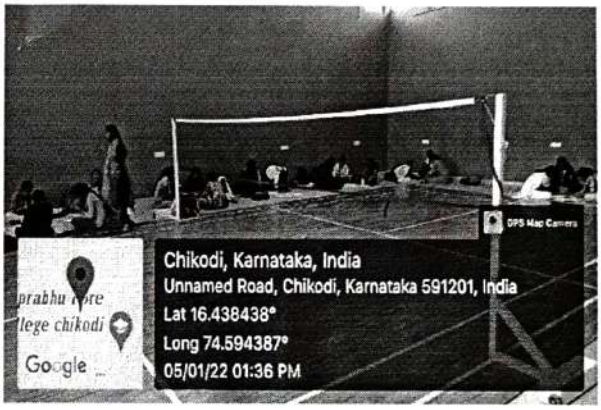
Title of the Programme	**"Poster making and presentation Competition"**	
Date	05-01-2022 and 07-01-2022	
Place	Sabha Bhavana KLEs B K College Campus	
Event Coordinator	Dr.Laxmikantha Nayaka T O	
No. of participants	Staff :04	Students: 15Teams
Objectives	To improve Communication skills To Develop creative presentation skills among students To Increase the knowledge among the participants on Recent trends in trade and commerce	
Summary of the Proceedings	Development of creativity among the students is important in modern days, in this regard department of commerce had organized "poster making and Presentation competition for B.com students **Themes of the competition are** • Trade and commerce in Digital Era • Digitalization in Banking • Grameenakoushalya in Indian Economy Poster making competition organized on 05-01-2022 prof N.B.Patil Co-ordinator of commerce has given instructions of the competition, there were 15 teams from B.com participated, Card sheets and other needed materials issued by the department, as per the instructions students prepared the posters on given themes. Poster presentation competition organized on 07-01-2022, Prof. SiddalingMatteppanavar assistant professor of commerce acted as adjudging the beginning they had given the instruction to the participants regarding presentation, Dr.Laxmikantha Nayaka T O welcomed the participants and	

	resource person, Dr.S.M.Patilwas the Guest, Prof.N.B.Patil proposed vote of thanks
Prize Winners of the competition	I[st]Prize won by Miss.KanchanaMarihal, Mr.Altafmulla and Miss.ApoorvaMangaj II[nd]Prize **wonby**Miss.LaxmiMirje, Miss.Jyothimayannavar and Miss.Jyothi k Gotur III[rd]**Prizewon by** Miss SpoorthiShinge, **Miss.SudaraniKhoth and Miss.SukanyaMolage**

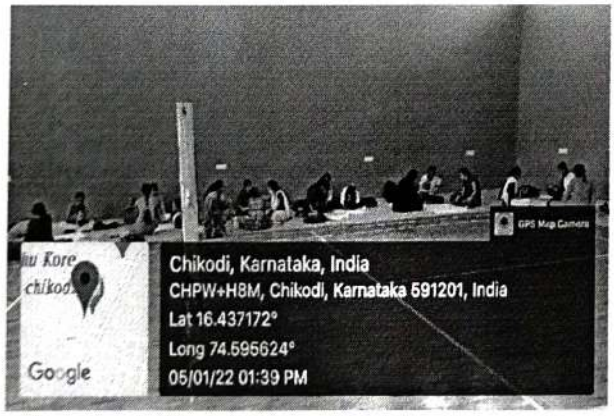
Photos



Participants with Judge



Preparation of posters by the students



Preparation of posters by the students

Presentation of Posters

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Website: klesbkcollegechikodi.com : 08338 – 272176 Email – kles_bkcc@rediffmail.com

Date: 29/12/2021

Department of Commerce

Report on product planning competition

Topic : PPT on Product Planning
Date : 29/12/2021 **Place** : Sabha Bhavan
Co-ordinators: Miss Savita Hitni and Miss Priyanka More
Number of participants : 32
Number of beneficiaries : 40

Objectives :

- To enhance innovative skills
- To enhance creativity
- To impart knowledge regarding product planning
- To enhance presentation skills among students

Summary of the program

The function was organised by department of commerce on 29/12/2021, the program started with welcoming of Principal, HOD, judges, and participants. Prof. V. V. Patil HOD of commerce department addressed the function. Prof. S. M. Bhosage and Prof. V.V. Patil were the judges of the competition.

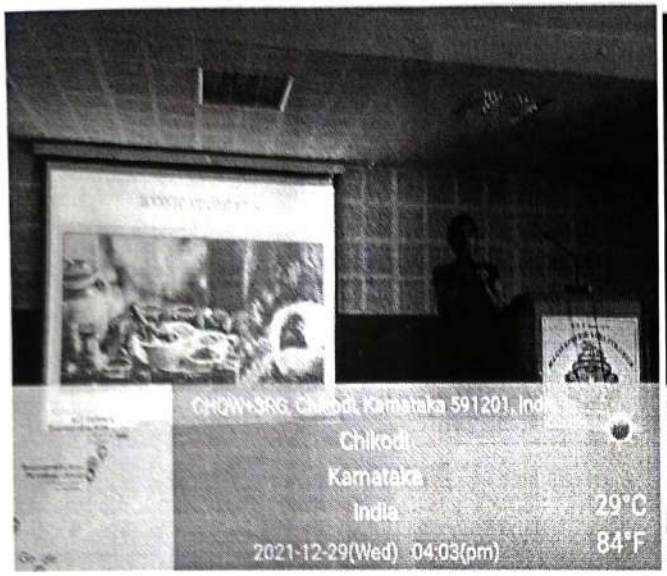
The first presentation in the competition was from Electronic Car group, they presented their PPT coordinatively. Secondly Veda Ayurveda team presented regarding Veda hair oil and they elaborated about the good features of the product. Thirdly Monal's team presented PPT on data sharing application service they explained about the application and the requirements of this in a digital era. Forthly, Sunrays Mobile team presented PPT on solar battery mobile. Fifth team was Agro Service application they presented their PPT on fruitfulness of the application to farmers in their agricultural activities. Lastly the Iconic girls presented PPT on Homemade Badam Face Pack they presented their product in very attractive manner with a good content good communication skill.

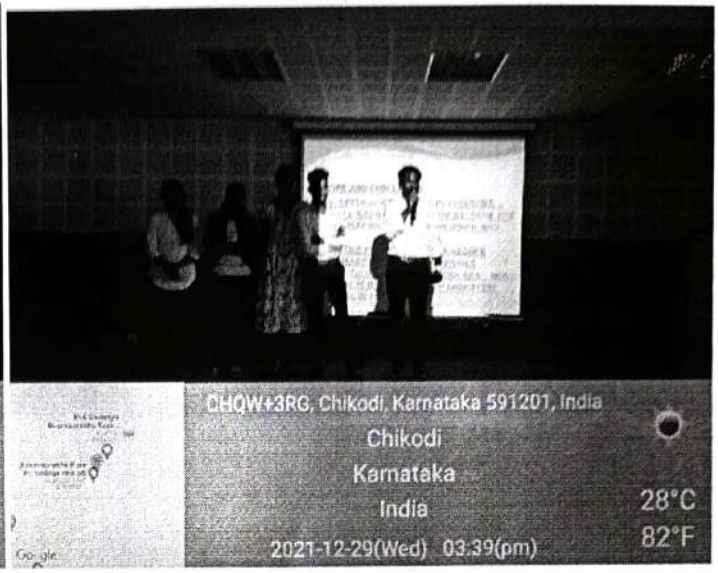
The judges announced the result. The Iconic Girls secure first place, second place was shared by Monal's and Electronic car teams and the Veda Ayurveda team got third place

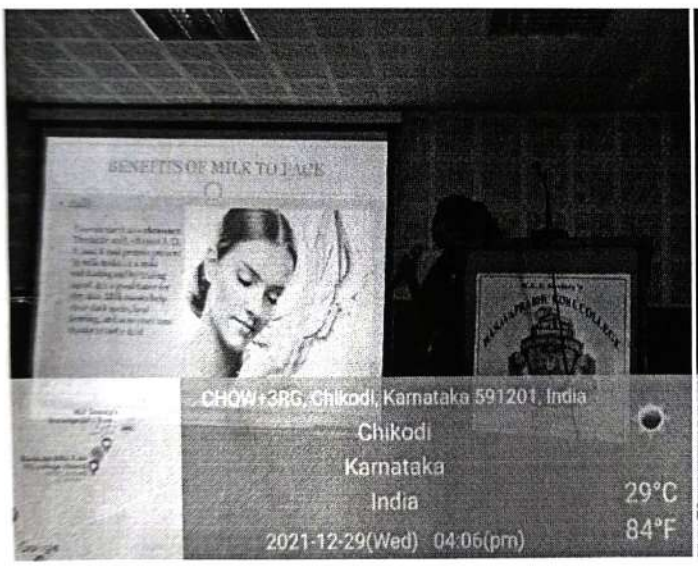
HOD department of commerce distributed certificate and prizes to winners and participation got consolation prizes.

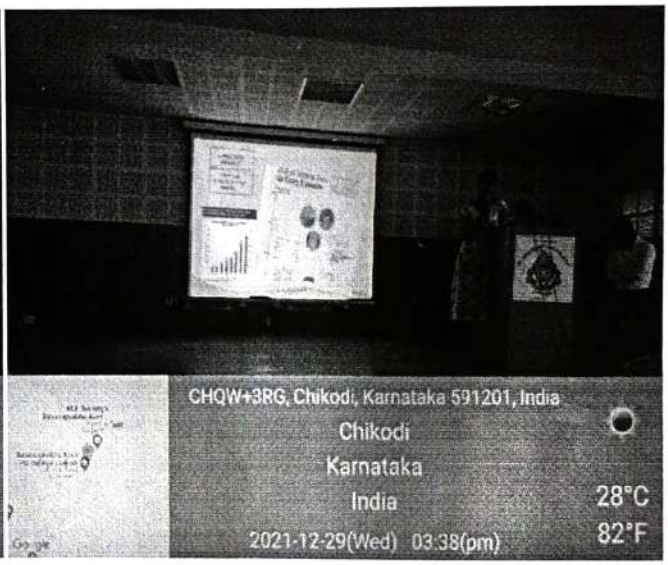
The competition was ended by giving vote of thanks by Akshata Shanwad.

The competition was hosted by Kanchana Marihal and Apoorva Mangaj of B.Com final year.









Outcomes:

- Students got clear ideas about new product planning
- Students learn presentation skills
- Students understood the need of innovative ideas in competitive world

Convener

HOD

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Date : 29/12/2021

List of student participants Product Planning

Sl.No	Name of the team and participants	Class	Signature
1	Electronic car	B.Com I	
	1. Saqibraza Moksher		
	2. Yogesh Talwar		
	3. Vinakak Ingale		
	4. Anas Halagale		
	5. Rehan Nadaf		
2	Veda Ayurveda	B.Com I	
	1. Aishwarya Kurane		
	2. Daneshwari Rudrguder		
	3. Laxmi Algarahut		
	4. Jyoti Khot		
	5. Jaylaxmi Kattimani.		
3	Monal's	B.Com III	
	1. Shweta Kumbar		
	2. Savita Bangi		
	3. Pratham Shettennavar		
	4. Yuvaraj Devadkar		
	5. Sonali Shirole		
4	Sunrays Mobile Team	B.Com II	
	1. Swati Hinglaje		
	2. Pallavi Huddar		
	3. Priyanka Khandagave		
	4. Gayatri Nandani		
5	Agro Service	B.Com II	
	1. Abhay Sanadi		
	2. Ashish Kambale		
	3. Abhishek Kambale		
	4. Vinayak Khot		
6	Iconic Girls	B.Com I	
	1. Aishwarya Bagewadi		
	2. Jyothi Gorur		
	3. Bhoomika Patil		
	4. Jyothi Mayannavar		
	5. Laxmi Mirje		
7	Charging Bags	B.Com II	
	1. Aparna Badaganve		
	2. Geeta Patil		
	3. Ankita Mali		
	4. Nalini Mangaj		

Convener HOD Co-Ordinator

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Date: 29.12.2021

Department of commerce

PPT On 'Product Planning' Competition

Judge: 02 Shri S. M. Bhosage

Sl. No	Name of the Teams	Class	Language (5 marks)	Content (5 marks)	Presentation (10 marks)	Total (20 marks)
1	Electronic Car	B.Com I	4	3	7	14
2	Veda Ayurveda	B.Com I	3	3	6	12
3	Monals	B.Com III	3	4	8	15
4	Sunray's Mobile	B.Com II	2	3	6	11
5	Agro Services	B.Com III	3	2	5	10
6	Iconic Girls	B.Com I	4	4	8	16

Judge sign

Convener

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

NOTICE

Date: 03/12/2021

The P.G. Department of Commerce and Management is decided to organize **Power Point Presentation Competition** for M.Com III sem students. Hence interested students are here by informed to form a team of 3 students, select one of the following topics for presentation and enroll your teams on or before 07/12/2021 to Prof. S M Bhosage.

Topics for Power Point Presentation Competition

1. Accounting Concepts and Conventions
2. Derivatives
3. Corporate Social Responsibility (CSR)
4. IPO and Book Building Process
5. Insolvency and Bankruptcy Code
6. Digital Marketing
7. Indian Accounting Standards
8. Waste Management
9. Investment Alternatives
10. Intellectual Property Right (IPR)
11. Stock Trading Mechanisms
12. Research Methodology

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

NOTICE

It is hereby informed to all the M.Com III Sem students that the "Power Point Presentation Competition" is scheduled from 15/12/2021 to 17/12/2021. The details of date and time allocated to each team for Presentation are given below.

Team No.	Name of the students	Topic	Date and Time of Presentation
1	Parvati Immadi Bibibatul Desai Tabassum Shaikh	Digital Marketing	**Date:** 15/12/2021 **Time:** 3.30-4.00
2	Vishwanath Duggani Snehal Dhang Savita Padadalli	Investment Alternatives	**Date:** 15/12/2021 **Time:** 4.00-4.30
3	Jyoti kanade Daneshwari Neelakhanthannavar Shilpa Magennavar	IPO and Book Building Process	**Date:** 16/12/2021 **Time:** 3.30-4.00
4	Abhijeet Sankpal Adesh Kudache Sachin Dabba Ubedulla Bagwale	Accounting Concepts and Conventions	**Date:** 16/12/2021 **Time:** 4.00-4.30
5	Madhu Jadhav Shambhavi Mane Tejashwini Kagale	Corporate Social Responsibility	**Date:** 17/12/2021 **Time:** 3.30-4.00
6	Pranali Patil Shreya Patil Varsha Patil	Accounting Standards	**Date:** 17/12/2021 **Time:** 4.00-4.30
7	Nikita Jadhav Priya Mali Vandana Khot	Waste Management	**Date:** 17/12/2021 **Time:** 4.30-5.00

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

Title of the Program	Power Point Presentation Competition
Date and Time	15-12-2021 to 17-12-2021, 02.30 pm to 04.30 pm
Place	KLE Society's B. K. College, Chikodi , Hall No:08
No. of Beneficiaries	22
Objectives	1. To inculcate and boost Presentation skill among the students 2. To encourage self learning among the students 3. To build stage courage among the students 4. To encourage competitive environment among the students
Summary of the Proceedings	With an aim to promote Soft Skills among the students PG Department of Commerce & Management organized "Power Point Presentation" Competition for M.Com III Sem students from 15-12-2021 to 17-12-2021, At 02.30 pm to 04.30 pm. Notice was sent to the students on 03-12-2021 and time was given to enroll team names till 07-12-2021. 12 different topics relating to Accounting, Finance, Banking , Marketing and Research were given to the students for selecting one of the topics for their Presentation. Total 7 teams were participated in the competition consisting of 3 students in each team. On 15-12-2021, Parvati Immadi and team presented on the topic Digital Marketing & Vishwanath Duggani and team presented on the topic Investment Alternatives. On 16-12-2021 Jyoti kanade and team presented on the topic IPO and Book Building Process & Abhijeet Sankpal and team presented on the topic Accounting Concepts and Conventions. On 17-12-2021 Madhu Jadhav and team presented on the topic Corporate Social Responsibility, Pranali Patil and team presented on the topic Accounting Standards & Nikita Jadhav and team presented on the topic Waste Management. The Coordinator and Faculty members of PG Department of Commerce and Management Prof. N B Patil, Prof. S M Bhosage, Prof, V S Khot, Prof. P M More, Prof. S A Arabole and prof. S M Mirje were presented on this occasion. **Outcomes of this Competition:** 1. It enabled the participants to have in depth knowledge on different topics of commerce and Management 2. It develops Communication Skill among the Students 3. Students are able to develop self Confidence

CO-ORDINATOR
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B.K. Arts, Sci. & Com. College NAAC ACCREDITATION 'A' Grade CHIKODI-591 201

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

The P.G. Department of Commerce and Management organized **Power Point Presentation Competition** for M.Com III Sem Students from 15-12-2021 to 17-12-2021 at 2.30 pm to 4.30 pm in KLE Society's B K College , Chikodi. **22** students got the benefit of this competition.

Objectives

1. To inculcate and boost Presentation skill among the students
2. To encourage self learning among the students
3. To build stage courage among the students
4. To encourage competitive environment among the students

DETAILED REPORT

With an aim to promote Soft Skills among the students PG Department of Commerce & Management organized "Power Point Presentation" Competition for M.Com III Sem students from 15-12-2021 to 17-12-2021, At 02.30 pm to 04.30 pm. Notice was sent to the students on 03-12-2021 and time was given to enroll team names till 07-12-2021. 12 different topics relating to Accounting, Finance, Banking , Marketing and Research were given to the students for selecting one of the topics for their Presentation. Total 7 teams were participated in the competition consisting of 3 students in each team.

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The Coordinator and Faculty members of PG Department of Commerce and Management Prof. N B Patil, Prof. S M Bhosage, Prof, V S Khot, Prof. P M More, Prof. S A Arabole and prof. S M Mirje were presented on this occasion.

Outcomes of this Competition:

1. It enabled the participants to have in depth knowledge on different topics of commerce and Management
2. It develops Communication Skill among the Students
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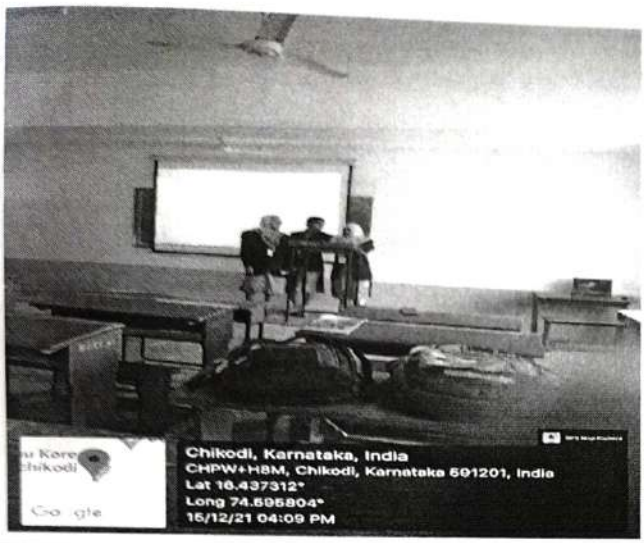
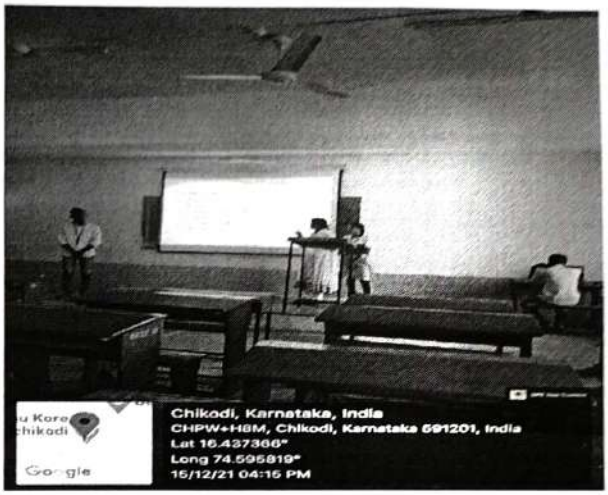
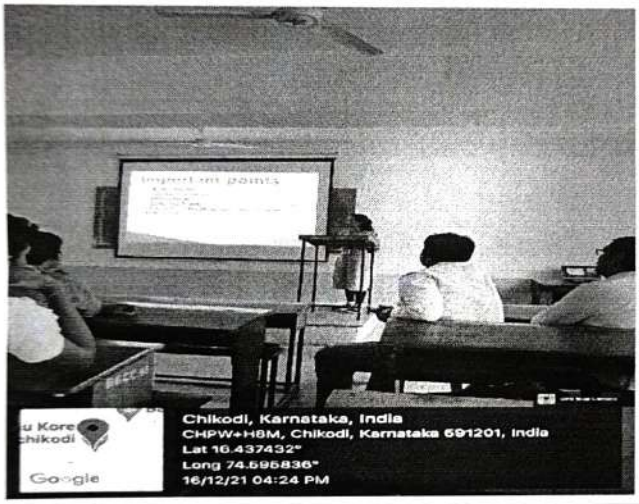


PPT presentation by Miss Parvati Immadi & Team on the topic Digital Marketing

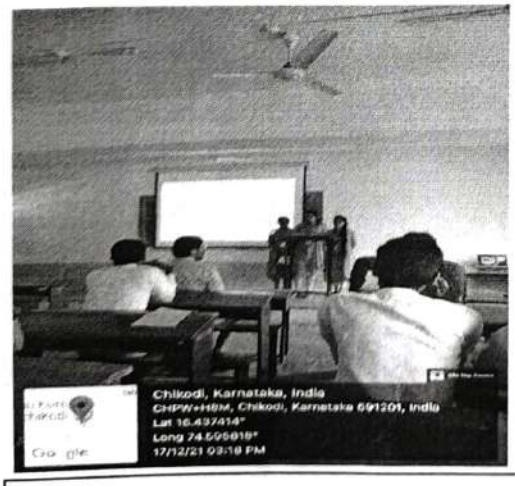


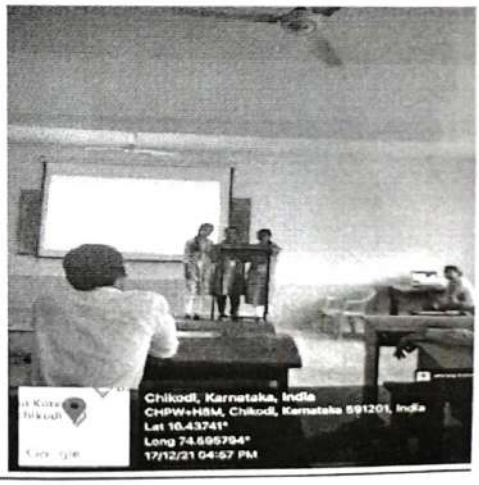
PPT presentation by Mr.Vishwanath Duggani & Team on the topic Investment Alternatives



PPT presentation by Miss Jyoti kanade & Team on the topic IPO and Book Building Process

PPT presentation by Mr. Abhijeet Sankpal & Team on the topic Accounting Concepts and Conventions





PPT presentation by Miss Madhu Jadhav & Team , Miss Pranali Patil & Team and Miss Nikita Jadhav & Team on the topics Corporate Social Responsibility, Accounting Standards and Waste Management respectively.

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

Power Point Presentation Competition

Date: 15-12-2021 to 17-12-2021 **Venue:** KLES B K College, Chikodi - Hall No: 08

Student's Attendance Report

Sl No.	Name of the Students	Class	Roll No	Signature
01	Abhijeet. D. Sankpal	M.com III Sem	01	Abhijeet
02	Adesh. C. Kodolkar	M.com III Sem	02	
03	Bibihatul. A. Desai	M.Com. IV sem	03	
04	Daneshwarip. Naelakanthanavar	M. Com III Sem	04	
05	Jyoti A. Kanade	M.Com III Sem	05	
06	Madhu D. Jadhav	M.Com III sem	06	
07	Nikita. B. Jadhav	M.Com III Sem	07	
08	Parvati B. Pomadi	M.Com III Sem	08	
09	Pranali. P. Patil	M.com III sem	09	
10	Priya S. Mali	M.com III Sem	10	
11	Sachin. B. Dabb.	M.COM III Sem	11	
12	Savita S Padadalli	M.com III sem	12	
13	Shambhavi. S. Mane	M.Com III sem	13	
14	Shilpa. S. magennavar	M.com III sem	14	
15	Shreya. R. Patil	M. Com III Sem	15	
16	Snehal. S. Dhang	M. Com III Sem	16	
17	Tabassum. A. Shaikh	M.com III Sem	17	
18	Tejashwini. N. Kagale	M.Com III sem	18	
19	Ubedulla. R. Bagwale	M.Com III Sem	19	
20	Vandana K Khot	M.com III Sem	20	
21	Vaishna. I. Patil	M.Com III sem	21	
22	Vishwanath M Duggani	M.Com III sem	22	

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Date: 24/11/2021

P.G. DEPARTMENT OF COMMERCE AND MANAGEMENT

NOTICE

To enhance the writing skills among the students, the Department is decided to organize a **"Creative Writing"** Activity for M.com II year students. Hence interested students are hereby informed to enroll your team on or before 27th November 2021 to Prof. Vishal Khot.

General Instructions:

1. There will be team participation and each team must consist of 4 students.
2. The picture prompt will be given at the time of activity.
3. The time limit is 30 minutes.

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

Title of the Activity	Creative Writing
Time and Date	1.00 pm to 2 pm, 29th November, 2021
No. of Participants	16
Place	Lecturer Hall No. 30
Convenor of the Activity	Prof. Vishal Khot
Objectives	➢ To enhance the creativity level of students. ➢ To enhance the writing skills among the students. ➢ To demonstrate the ability to comprehend complex pictures and draw inferences from what they see.
Summary of the Proceedings	Writing is one of the ways to recall the prior reading and understanding. To enhance writing ability, the PG Department of Commerce and Management was organized "Creative Writing" Activity for M.Com III semester students on 29th November, 2021. In the Creative Writing students were made to write a story or an essay describing a picture. Total 16 students were actively participated in this activity as 4 teams, namely Team Chanakya, Team Koutilya, Team Digvijay and Team Vivek Vrunda. For these teams one picture prompt was given and students had to build up their writing piece around the picture. After the completion of writing one student from each team were called upon the stage to read their story or essay which they have written on given picture. Team Chanakya has given title for their writing as 'Peace Study'. Where they explained two friends are studying for competitive exams by using traditional method of study where they are using Note Book, pen and pencil, Along with traditional method they are also using modern technology like Tablets and Laptops.

	Team Koutilya has given title for their writing as 'Time Value of Money'. Where they explained money is as valuable as time. And small amount of investment which invested today yields higher return in future and they have also explained various investment alternatives available for investment such as Mutual Funds, stock market etc,. Team Digvijay has given title for their writing as 'Time Changes Everything'. Where they explained investment of money in right avenue we get more profit or return. And they also explained higher risk will yield higher return. Team Vivek Vrunda has given title for their writing as 'Hard Working'. Where they explained to become a successful person we have to work hard. And to become a successful person we need both book knowledge as well as technical skills. At the end Students were appreciated for their active involvement in this Activity.
Outcomes	Students have shown their creativity in many ways and got idea about how to analyze things from different angles.

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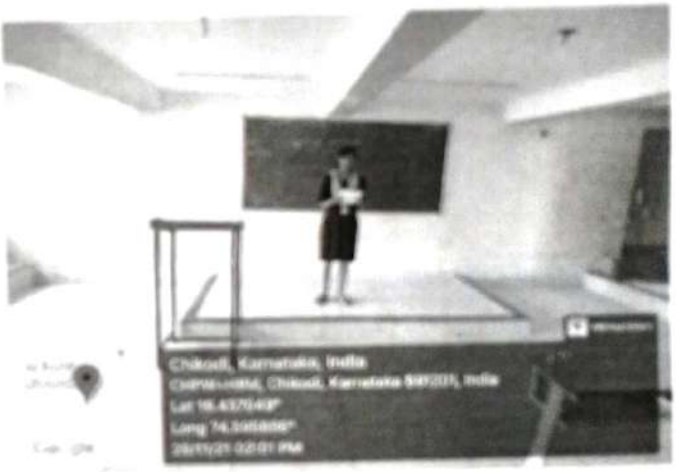
Photos:

Students were making discussion on given picture prompt in their respective groups in " Creative Writing" Activity which was held on 29/11/2021.



Students were making presentation of their writing in "Creative Writing "Activity which was held on 29/11/2021

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PG DEPARTMENT OF COMMERCE AND MANAGEMENT

The P.G. Department of Commerce and Management organized **'Creative Writing'** activity for M.Com III Sem Students on 29th November, 2021 at 1 pm to 2 pm in KLE Society's B K College, Chikodi. Total **16** students were participated in this activity.

Objectives:

- To enhance the creativity level of students.
- To enhance the writing skills among the students.
- To demonstrate the ability to comprehend complex pictures and draw inferences from what they see.

DETAILED REPORT

With an aim to enhance the writing skills and creativity level among the students PG Department of Commerce & Management organized "Creative Writing "Activity for M.Com III Sem students on 29th November, 2021 at 1 pm to 2 pm. Notice was sent to the students on 24-11-2021 and time was given to enroll team names till 27-11-2021.

In the Creative Writing students were made to write a story or an essay describing a picture. Total 16 students were actively participated in this activity as 4 teams, namely Team Chanakya, Team Koutilya, Team Digvijay and Team Vivek Vrunda. For these teams one picture prompt was given and students had to build up their writing piece around the picture. After the completion of writing one student from each team were called upon the stage to read their story or essay which they have written on given picture.

Team Chanakya has given title for their writing as 'Peace Study'. Where they explained two friends are studying for competitive exams by using traditional method of study where they are using Note Book, pen and pencil, Along with traditional method they are also using modern technology like Tablets and Laptops.

Team Koutilya has given title for their writing as 'Time Value of Money'. Where they explained money is as valuable as time. And small amount of investment which invested today yields higher return in future and they have also explained various investment alternatives available for investment such as Mutual Funds, stock market etc,.

Team Digvijay has given title for their writing as 'Time Changes Everything'. Where they explained investment of money in right avenue we get more profit or return. And they also explained higher risk will yield higher return.

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At the end Students were appreciated for their active involvement in this Activity.

Outcomes of this Activity:

Students have shown their creativity in many ways and got idea about how to analyze things from different angles.

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PG DEPARTMENT OF COMMERCE & MANAGEMENT

CREATIVE WRITING

ATTENDENCE SHEET

Date: 29/11/2021 **Venue:** Lecturer Hall No 30

Sl. No.	Roll No	Name of the Students	Sign
1	06	Madhu D. Jadhav	
2	10	Pooja. S. Mali	
3	07	Nikita. B. Jadhav	
4	12	Savita. S. Padadalli	
5	08	Parvati. B. Immadi	
6	15	Shreya. R. Patil	
7	03	Bibibatul. A. Desai	
8	13	Shambhavi. S. Mane	
9	14	Shilpa. S. magenmavar	
10	17	Tabassum. A. Shaikh.	
11	05	Jyoti A Kanade	
12	19	Ubedulla. R. Bagwale	
13	09	Pranali. P. Patil	
14	16	Snehal. S Dhang	
15	04	Dakshayani Neelakanthanavar	
16	22	Vishwanath Duggani	

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Department of Commerce

2020-21

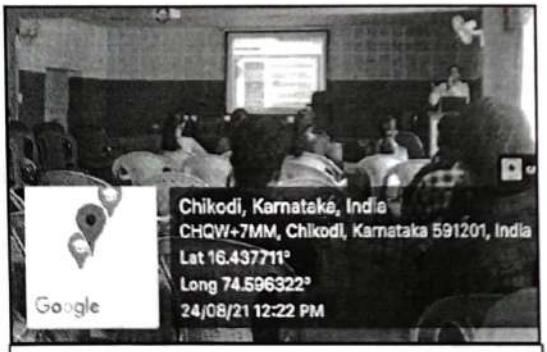
Title of the Programme	ICT tools for Learning
Date & time	24.08.2021 at 11.30 am
Venue	Auditorium (Sabhabhavan)
Resource person/Speaker	Prof. N. B. Patil, Associate Professor of Commerce Shri. Prakash Y., Assistant Librarian
No. of Beneficiaries	116 B.Com students
Objectives	To educate students about the use of various ICT tools. To enhance the skill of using ICT tools. To help students to become competent and confident users of ICT tools. To encourage students to use ICT tolls for learning and to register SWAYAM courses and N-List.
Summary of the Proceedings	As a part of Skill Enhancement program we have organized program ICT tools for learning for B.Com students. ICTs can enhance the quality of education in several ways: by increasing learner motivation and engagement, by facilitating the acquisition of basic and advanced skills, by ensuring access of learning resources any time anywhere. ICTs are also useful to students in many ways. By realizing the importance of ICTs in teaching-learning we arranged this program. Shri. Prakash Y., an assistant librarian who had given information to students about N-List, File formats, Digital library, INFLIBNET etc. Prof. N. B. Patil started his talk by explaining the basics and the need for ICT in teaching learning process. Further he provided basic details of internet browsing and accessing/getting study materials from various portal i.e. Wikipedia, investopedia, etc. He focused more on SWAYAM courses, he explained in details about the courses available under SWAYAM. Practical knowledge have been imparted among the students by registering one student to swayam course, how video

	lectures to be accessed, how weekly quiz & assignments are to be submitted, how does course end examinations will be held, all these information is provided to the students. Students are also encouraged to register to NList and access to the learning materials available on NCERT, pgpathaashala, epgpathashala, eshodhsindhu web portals. Program is concluded with vote of thanks by Prof. N. B. Patil. Many students who have attended the program have enrolled to NList and SWAYAM courses.

Photos:

Prof. N. B. Patil welcoming the gathering

Shri. Prakash explaining about ICT tools



Prof. N. B. Patil's presentation on epgpathashala and other ICT tools

Prof. N. B. Patil is presenting on SWAYAM courses

Head of the Department

HEAD
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K.L.E.S's BASAVAPRABHU KORE COLLEGE ☆ CHIKODI ☆ NAAC-A

Department of Commerce

Students' Attendance

Event: ICT tools for learning Date: 28/08/2021

Sl. No.	Name	Class	Roll no	Signature
01	Priyanka. S. Khot	B-COM-II	57	
02	Anuja v Desai	B.Com-II	14	
03	Dnyaneshwari V. pethar	B.COM-II	27	
04	Sakshi. S. Jadhav	B.com II	70	
05	Rhutuja. P. Rajadhav	B.com II	64	
06	Shraddha. P. Patdar	B. Com-II	76	
07	Soumya U Burase	B. Com-II	83	
08	Preeti. P. magadum	B. Com-II	55	
09	Swati. S. Hinglaje	B.com-II	88	
10	Priyanka. M. Kote.	B. Com-II	58	
11	Veena v kamble	B. com II	92	
12	Deepa, B. Patil.	B. Com-II	24	
13	Sharada. M. Jadhav	B.Com-II	74	
14	Soumya A Patil	B.com II	82	
15	Sonali P. Bhiste	B.Com II	81	
16	Jyoti R. Rampure	B.Com II	29	
17	Nalini. B. Mangaj	B.Com II	39	
18	Ankita. R. Mali	B.Com II	13	A.R Mali
19	Sakshi. Deshpande	B.Com II	69	
20	Megha, kamboshi	B.Com II	37	
21	Pallavi, v. Huddar	B.Com II	43	
22	Ankita, M. Katti	B.Com II	19	
23	Manisha, M, Malage	B.Com II	35	
24	Nikita A Jadhav	B.Com II	41	
25	Bhavani M. Khot	B.com-II	77	
26	Ambika. R. Teli	B.Com II	10	
27	Shubhangi D. Kokane	B.Com II	80	
28	Apoorva T Teli	B.Com II	17	
29	Pooja. M. Sutar	B.com II	48	
30	Tejaswini. B. Bennnakar	B.Com II	89	
31	Prema M. Kamate	B.com II	56	
32	Sakshi, B. Borgaonve	B.Com II	101	
33	priyanka. B. Kandagave	B.com II	59	
34	Vidya. y. Bhajantri	Bcom II	95	
35	Aparna A. Badagave	B.Com II	16	
36	Anushri. R. Halappanavar	B. com II	15	

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DEPARTMENT OF PHYSICS
RESULT ANALYSIS FOR 2021-22 (March/April 2022)

Class	Appeared	Distinction	First class	Second Class	Pass	Fail	Absent	Total Pass	%
B.Sc. I Sem.									
B.Sc. III Sem.	129	67	36	--	--	26	--	103	**80%**
B.Sc. V Sem.	138	94	29	05	--	10	04	128	**93%**

TOPPERS 2018-19B.Sc. I, III & V SEM

Class	Sl. No	Name of students	Theory Marks 100	Practical Marks 50	Total Marks
B.Sc. I Sem.	1.				
	2.				
	3.				
B.Sc. III Sem.	1.	Shruti D Korabu	90	50	140/150=93%
	2.	Akshata A Kamble	88	50	138/150=92%
	3.	Pallavi K Khot	85	50	135/150=90%
		Sonali G Matapathi	85	50	135/150=90%
B.Sc. V Sem.	1.	Nidhi Saradesai	P I = 93 P II = 100	P I=50 P II=50	293/300=97.66%
	2.	Akka Mahadevi	P I = 98 P II = 94	P I=50 P II=50	292/300=97.33%
	3.	Vishal veerabadrannavar	P I = 91 P II = 97	P I=50 P II=50	288/300 = 96.00%

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DEPARTMENT OF MATHEMATICS

B.Sc Fifth Semester Result Mar/April 2022

Distinction	First Class	Second Class	Pass	Fail	Total Appeared	Total Pass	%
67	24	24	07	16	138	122	88.40

Top Scorer

1)Miss: Nidhi Sardesai 296/300 (M1-100/100)

2) Miss: Rohini Bhoje 296/300 (M1 &M2-100/100)

3)Miss: Satyvva Hegade 293/300 (M1-100/100)

4) Miss : Ranjita Patil 291/300 (M1 &M2-100/100

5)Miss : Varsha Salagare 291/300 (M1-100/100)

6)Miss: Daneshwari Sankannvar 291/300 (M1-100/100)

7) Mr: Vishal Veerbhadrannvar 288/300 (M3-100/100)

8) Miss: Akkamahadevi Mali 282/300 (M1-100/100)

9) Miss: Akshata Teli 281/300 (M1-100/100)

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DEPARTMENT OF MATHEMATICS

List of Centum Scorer

(March /April 2022)

Sl. No.	Name	Class	Marks	Paper
1	Rohini Bhoje	B. Sc Fifth Sem	100/100	Paper I
2	Rohini Bhoje	B. Sc Fifth Sem	100/100	PaperII
3	Ranjita Patil	B. Sc Fifth Sem	100/100	PaperI
4	Ranjita Patil	B. Sc Fifth Sem	100/100	PaperII
5	Akkamahadevi Mali	B. Sc Fifth Sem	100/100	Paper I
6	Satyavva Hegade	B. Sc Fifth Sem	100/100	Paper I
7	Ganga Mukare	B. Sc Fifth Sem	100/100	Paper II
8	Varsha Salagare	B. Sc Fifth Sem	100/100	Paper I
9	Akshata Teli	B. Sc Fifth Sem	100/100	Paper II
10	Nidhi Sardesai	B. Sc Fifth Sem	100/100	Paper I
11	Vishal Veerabhadrannavar	B. Sc Fifth Sem	100/100	Paper III
12	Daneshwari Sankannavar	B. Sc Fifth Sem	100/100	Paper I
13	Shruti Korabu	B. Sc Third Sem	100/100	Paper -I

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DEPARTMENT OF ZOOLOGY

Third Semester Results of Examination held in March/April 2022

Total number of students appeared	=	41
Total number of students passed	=	41
Distinction	=	29
First class	=	11
Second Class	=	01
Result	=	**100%**

TOPPERS OF THE DEPARTMENT

Register No.	Name of the Student	Theory	Practical	Total	%	Rank
S2018281	Pooja K Gadave	96	49	145	96.7	I
S2018383	Vanishree H Bhajantri	94	48	142	94.7	II
S2018211	Akshay C Amble	88	49	137	91.3	III
S2018401	Yashoda B Kambar	87	48	135	90	IV
S2018221	Ashish Kurade	84	49	133	88.7	V

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Department of Zoology

Third Semester Results of Examination held in March/April 2022

Result Analysis

Third Semester Results were announced by Rani channamma University, Belagavi on 11.8.2022. The staff members of Zoology Department are happy with students performance. The result is 100%. Three students Miss. Pooja Gadave, Miss. Vanishree Bhajantri & Mr. Akshay Amble scored more than 90% marks in the zoology subject.

There are 29 distinctions & 11 first class. one student Mr. Pramod Kattanade scored 54.3%. He called and guided by the staff members to score high in future examinations.

Overall performance of the students is good.

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DEPARTMENT OF ZOOLOGY

FIFTH SEMESTER RESULTS OF EXAMINATION HELD IN MARCH/APRIL 2022

Total number of students appeared	=	38
Total number of students passed	=	38
Distinction	=	34
First class	=	04
Result	=	**100%**

TOPPERS OF THE DEPARTMENT

Register No	Name of the Student	Zoology I		Zoology II		Total	%	Rank
		Theory	Practical	Theory	Practical			
S1916670	MANALI MANIK PATIL	98	50	94	50	292	97.3	I
S1916777	SUCHITA SUNIL HAVALE	95	50	90	50	285	95	II
S1916781	SUHAS R	95	50	87	50	282	94	III

HEAD
DEPARTMENT OF ZOOLOGY

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Result Analysis B.Sc V Semester

Department of Zoology

The Result of B.Sc V Semester end examination held in March/Apr 2022 is 100% in Zoology Subject. The faculty members of the department are very happy with the performance of students. 88 students appeared for examination out of which 34 students came up with distinction and 04 students with first class.

Miss Mandi Patil scored 98 Marks out of 100 in Paper I and 94 out of 100 in Paper II theory. 09 students scored above 90%, 11 above 80%, 14 above 70% and 4 of them scored above 60% marks.

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COLLEGE CHIKODI

Department of Economics

Toppers of B.A III Semester 2021-22

SI. No	Exam Seat No	Name of the Student	Obtained Marks
01	A2023712	Amruta R. Gayakawad	95/100
02	A2023768	Swarup S. Jugale	93/100
03	A2023719	Ashwini K. Patil	91/100

Toppers of B.A V Semester 2021-22

SI. No	Exam Seat No	Name of the Student	Obtained Marks
01	A1920819	Gopika Mali	89+94=181/200
02	A1920867	Srushti G. Khichade	83+94=177/200
03	A1920812	Diksha Khot	82+94=176/200

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Principal

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COLLEGE CHIKODI

Department of Economics

Toppers of B.Com Vth Semester 2021-22

SI. No	Exam Seat No	Name of the Student	Obtained Marks
01	C1923437	Kaveri Amate	93/100
02	C1923405	Akshata D. Muragali	92/100
03	C1923493	Shivani R. Yadure	91/100

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Department of Physics

In house Seminar Student list for the year 2021-22

DSC-SEMINAR REPORTS

SL. NO	Class	Roll. No	Name of the Students	Seminar Topic	Date	Time
1	B.Sc-I Sem	05	Abhishek Samaje	Torque	21/01/2022	4.30PM
2	B.Sc-I Sem	08	Aditi .R. Mirale	Elasticity	21/01/2022	4.00PM
3	B.Sc-I Sem	10	Aditya.A.Benade	Kepler's Third Law	17/01/2022	2.30PM
4	B.Sc-I Sem	11	Aditya .Tonape	Kepler's Laws	17/01/2022	3.00PM
5	B.Sc-I Sem	12	Adnansayeed.Goundi	Kepler,s Third Law	17/01/2022	3.30PM
6	B.Sc-I Sem	13	Aishwarya.A.Yadranvi	Definition of stress and strain	17/01/2022	4.00PM
7	B.Sc-I Sem	15	Ajay .P. Pathrut	Kepler's Third Law	21/01/2022	3.00PM
8	B.Sc-I Sem	16	Akarksha.S.Kore	Momentum	21/01/2022	3.30 PM
9	B.Sc-I Sem	21	Amit .G .Gadiwaddar	Kepler's second Law	21/01/2022	4.00PM
10	B.Sc-I Sem	22	Anita.R .Mane	Surface Tension	21/01/2022	4.00PM
11	B.Sc-I Sem	27	Balappa . S. Pujeri	Kepler's Laws	17/01/2022	9.30AM
12	B.Sc-I Sem	29	Bharamu.A Donge	Modulus of Elasticity	17/01/2022	9.00AM

13	B.Sc-I Sem	32	Chandrakant.S.Chougala	Kepler's Third Law	21/01/2022	9.00AM
14	B.Sc-I Sem	34	Darshan. Kanabaragi	About Satellite	21/01/2022	9.30AM
15	B.Sc-I Sem	37	Guruprasad. Hiremath	Elasticity	21/01/2022	10.00AM
16	B.Sc-I Sem	38	Harikrishna.S. Angadi	About Satellite	21/01/2022	10.30AM
17	B.Sc-I Sem	42	Khleel .Y. Makandar	Kepler's Third Law	18/01/2022	2.30PM
18	B.Sc-I Sem	43	Kiran. S. Koli	Kepler's Third Law	17/12/2022	9.00AM
19	B.Sc-I Sem	44	Kumar. M. Hikadi	Eescape Velocity	18/01/2022	3.00PM
20	B.Sc-I Sem	45	Laxmi. B .Shirole	Stress and Strain	18/01/2022	3.30PM
21	B.Sc-I Sem	46	Laxmi. Odeyar	Kepler' Law of Planetray motion	18/01/2022	4.00PM
22	B.Sc-I Sem	48	Mdhu. R . Malagi	Equation of Continuity	18/01/2022	4.30PM
23	B.Sc-I Sem	49	Madhumati.K.Valake	Orbital Velocity	21/01/2022	5.00PM
24	B,Sc-I Sem	52	Mahadev.I. Pujari	Kepler's Third Law	18/01/2022	9.00AM
25	B,Sc-I Sem	53	Mahananda.R. Mali	Surface Tension	18/01/2022	10.00 AM
26	B.Sc-ISem	54	Mahantesh.M.Magadum	Kepler's Third Law	18/01/2022	9.30 AM
27	B.Sc-ISem	57	Megha. B. Havaldar	Surface Tension	20/01/2022	11.30AM
28	B.Sc-ISem	58	Megha. R. Ingale	Eiasticity	21/01/2022	11.00AM
29	B.Sc-ISem	59	MD.Khuaja.Makandar	Derivation of Kepler's Second Law	18/01/2022	10.30AM
30	B.Sc-ISem	60	Md Juned.R.M.	Escape Velocity	18/01/2022	12.00PM

31	B.Sc-ISem	61	Md.Musaddiq.A.Makandar	Single Stage Rocket	18/01/2022	12.30PM
32	B.Sc-ISem	62	Musarat.Musa.Patel	Moment of Inertia	21/01/2022	11.30AM
33	B.Sc-ISem	69	Nisarga. S. patil	Relation Between Angular momentum andTorque	21/01/2022	12.00PM
34	B.Sc-ISem	71	Omkar.C.Mone	Expression for rise of liquid in the Capillary tube	18/01/2022	11.00AM
35	B.Sc-ISem	75	Prabhakar.Pandav	Surface Tension(Capillary tube)	21/01/2022	9.30AM
36	B.Sc-ISem	76	Prajwal . Chogala	Kepler's Law	21/01/2022	10.00PM
37	B.Sc-ISem	80	Priyanka.Devanagol	Surface Tension	18/01/2022	1.00PM
38	B.Sc-ISem	82	Prathviraj .Umarani	Concept of satellite	20/01/2022	11.00PM
39	B.Sc-ISem	83	Radhika .N. Mannikeri	Elastic Collision	20/01/2022	1130 AM
40	B.Sc-ISem	85	Rashmi.S. Ankali	Orbital Velocity	21/01/2022	1.00PM
41	B.Sc- ISem	86	Rayaligesh.P.Sanadi	Satellite	20/01/2022	12.00PM
42	B.Sc -ISem	88	Rphit .R. Ranadine	Types of Satellite	20/01/2022	12.30PM
43	B.Sc- ISem	93	Ruturaj.Devadakar	Elastic and Inelastic	21/01/2022	2.30PM
44	B.Sc- ISem	112	Sursj. B. Pawar	Kepler's Third Law	21/01/2022	1.30PM
45	B.Sc- ISem	113	Soumya. G. Latte	Orbital Velocity	21/01/2022	8.30 AM
46	B.Sc- ISem	119	Sumit. M. Dharwade	Kepler's Second Law	21/01/2022	9.00AM
47	B.Sc- ISem	123	Suraj. S. Arage	Kepler's Third Law	21/01/2022	9.30PM

50	B.Sc- ISem	124	Swati . A . Bhosale	Elasticity Plasticity,Rigid body	21/01/2022	10.00AM
51	B.Sc- ISem	125	Swati. K . Lohar	Escape Velocity	21/01/2022	10.30AM
52	B.Sc- ISem	128	Vaishnavi . K .Mali	Orbital Velocity	20//01/2022	9.30AM
53	B.Sc- ISem	131	Vijay . Bedage	Work Energy Theorem	21/01/2022	11.00AM
54	B.Sc- ISem	136	Ninad . R . Kamble	Moment of Inertia	21/01/2022	11.30AM
55	B.Sc- ISem	137	Niharika. T . Banavanna	Surface . Tension	20/01/2022	10.00AM
56	B.Sc-ISem	96	Sanbhavi. R. Khot	Kepler's II Law	21/01/2022	12.00PM
57	B.Sc-ISem	100	Sanja . K .. Mirje	Kepler'S Third Law	21/01/2022	12.30PM
58	B.Sc-ISem	103	Shankar. Manami	Elastic Collision	20/01/2022	10.30PM
59	B.Sc-ISem	105	Shraddha .B. Mutagi	Excess Pressure on Curved Surface	20/01/2022	11.00PM
60	B.Sc-ISem	109	Sneha. C . Kattimani	Equation of motion(Rocket)	20/01/2022	11.30PM
61	B.Sc-ISem	111	Sneha . R .Benade	Elasticity	21/01/2022	9.40 AM

H.O.D

Head of the
Department of Physics
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Demonstrations on weather forecasting.

Akshata,
3rd Sem SEC

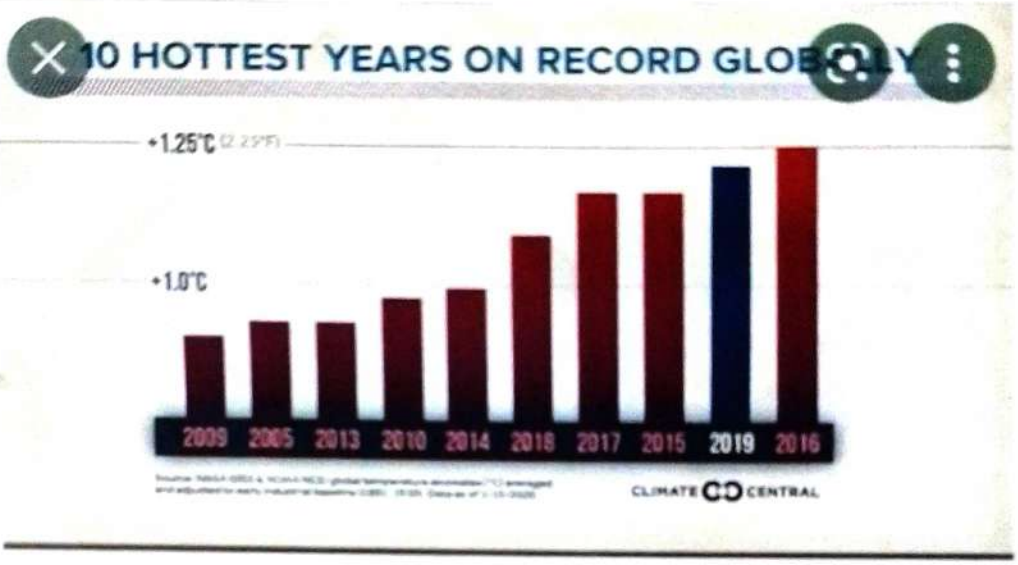
⟹ Weather forecasting is the application of science and technology to predict the conditions of the atmosphere for a given location and time.

⟹ Climatology and weather forecasting is important since it helps determine future climate expectations. Meteorology focuses more on current weather conditions such as humidity, air pressure and temperatures and forecasting and the short-term weather conditions to come

⟹ Weather is the combination of the current meteorological components. eg:- temperature, wind direction and speed, amount and type of precipitation, sun shine hours, etc.

2] Processing and analysis of weather data:-

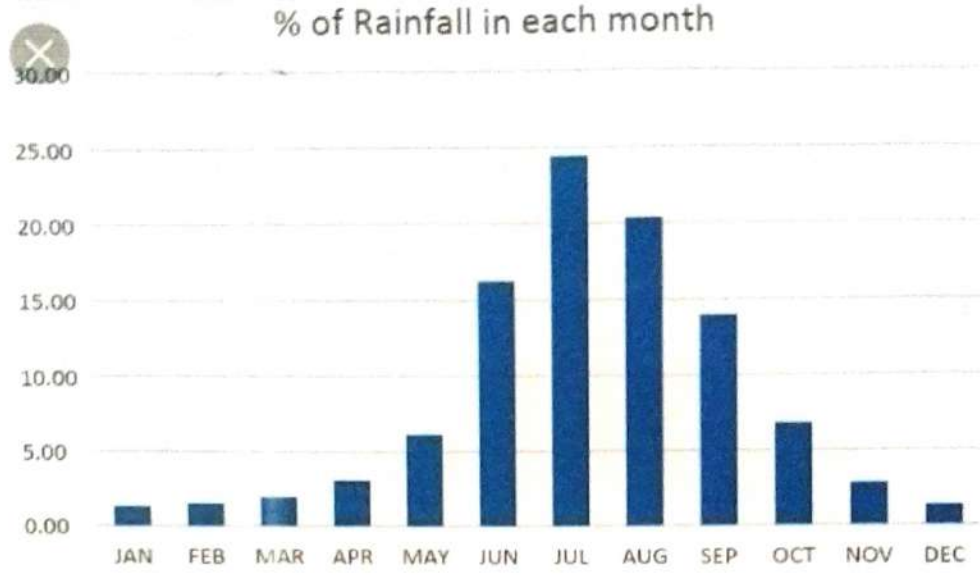
* To calculate the sunniest and hottest time year wise.



⟹ Sunlight, also called sunshine, solar radiation that is visible at Earth's surface. The amount of sunlight is dependent on the Extent of the daytime cloud cover. The visible portion constitutes nearly half of the total radiation recieved at the surface of Earth.

⟹ Measuring sunlight, however, is not as easy as it may sound. Long-term measurements thereat are comparable from instrument to place to place from time to time, and from instrument to instrument are essential. This requireds a special effort to finely calibrate thousands of ground-based instruments all around the world.

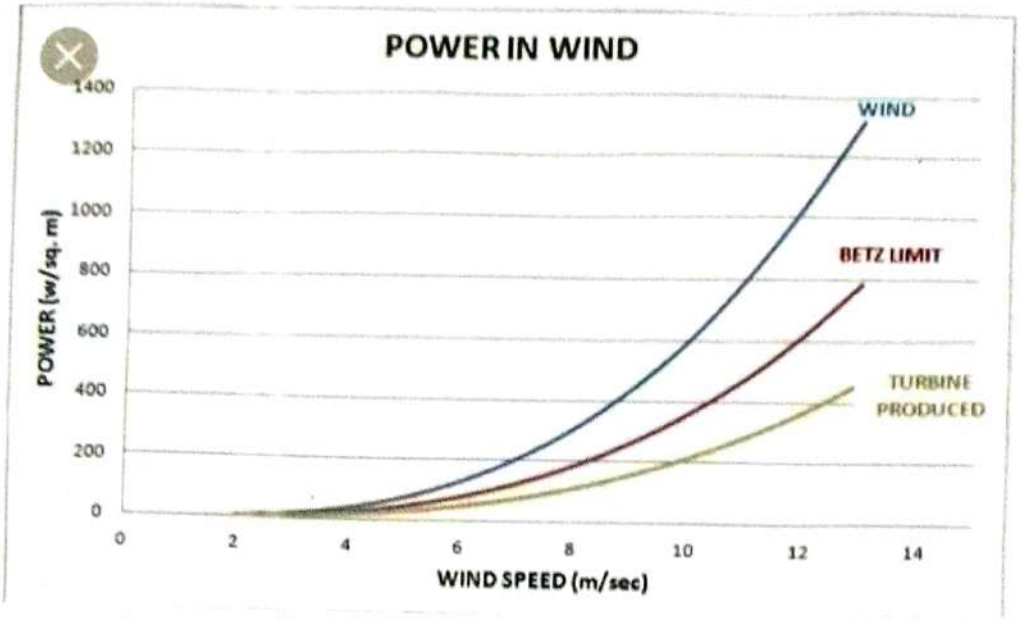
* To study the variation of rainfall amount.



⟹ Rainfall Variability :- The degree to which rainfall amounts vary across an area or though time is an important characteristic of the climate of an area. This subject area in climatology is called "rainfall variability".

* There are two types or components of rainfall variability, areal and temporal.

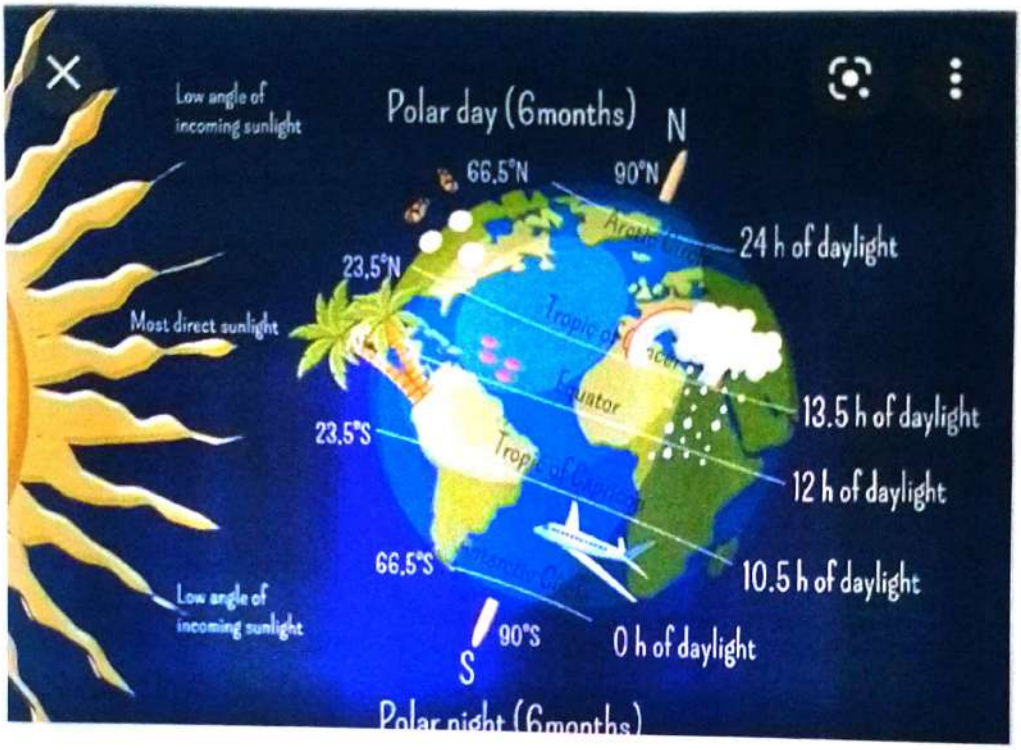
* To study the intensity of wind and intensity by wind direction.

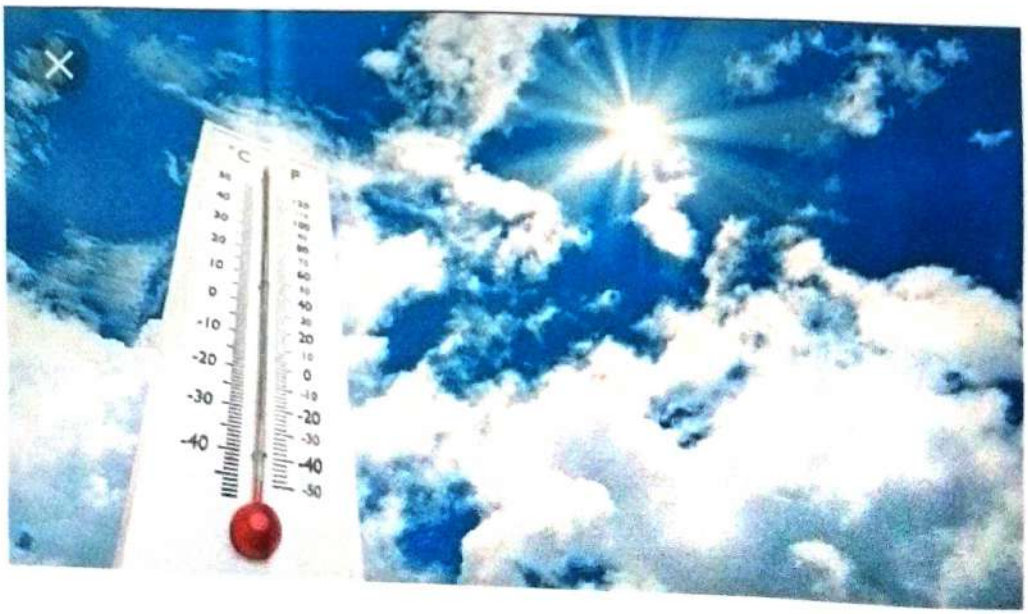


⇒ Wind is the natural movement of air or other gases relative to a planet's surface.

* Intensity of wind is defined as the ratio of standard deviation of fluctuating wind velocity to the mean wind speed, and it represents the intensity of wind velocity fluctuation.

* To examine the maximum and minimum temperature throughout the year.

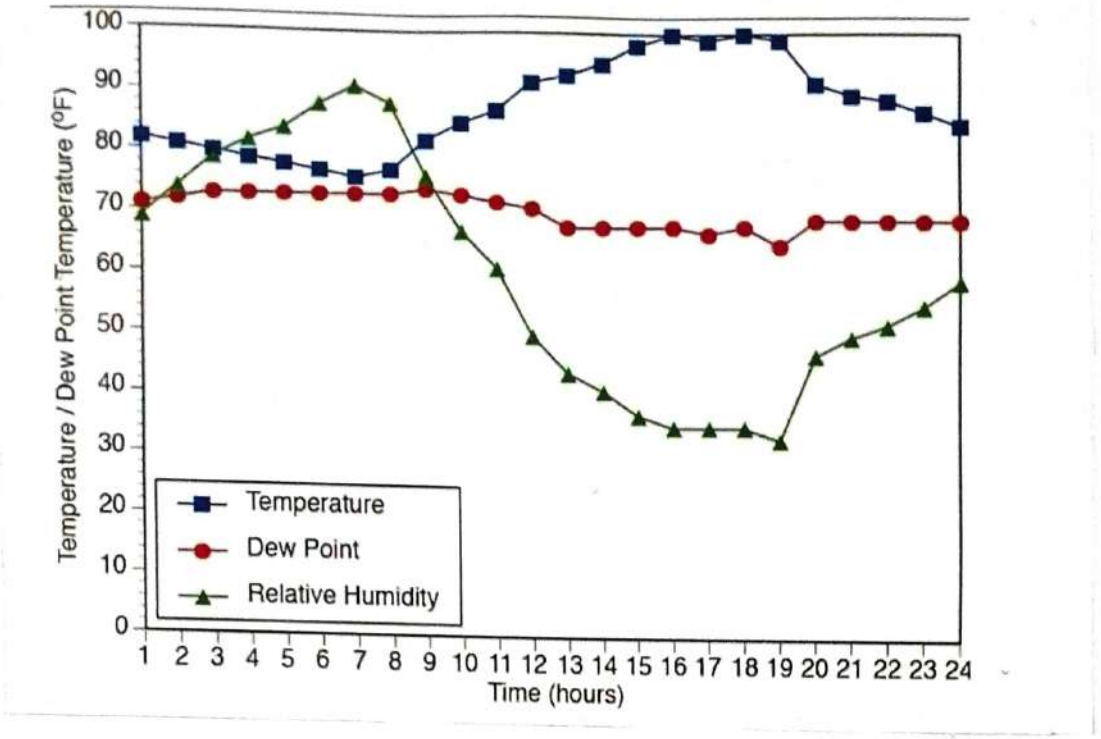




Top 10 hottest metros in India on 20-3-2021

S.NO.	Station Name	State	5:30pm on 19-3-21 in °C
1.	Ahmedabad Airport	Gujarat	37.7
2.	Kolkata Airport	West Bengal	37.1
3	Pune Airport	Maharashtra	36.8
4.	Kolkata	West Bengal	36.3
5.	Pune	Maharashtra	35.7
6.	Ahmedabad	Gujarat	35.2
7.	Delhi	Delhi	34.5
8.	Hyderabad Airport	Telangana	34.4
9.	Delhi Airport	Delhi	34.2
10.	Hyderabad	Telangana	34.0
11.	Bengalore	Karnataka	33.8
12.	Chenni Airport	Tamil Nadu	33.83
13.	Mumbai Airport	Maharashtra	33.2
14.	Bangalore Airport	Karnataka	32.8
15.	Chenni	Tamil Natdu	32.3
16.	Mumbai.	Maharashtra	32.2

* To evaluate the relative humidity of a time or day (hours)



⇒ The amount of water vapour present in air expressed as a percentage of the amount needed for saturation at the same temperature.

⇒ Formula:-

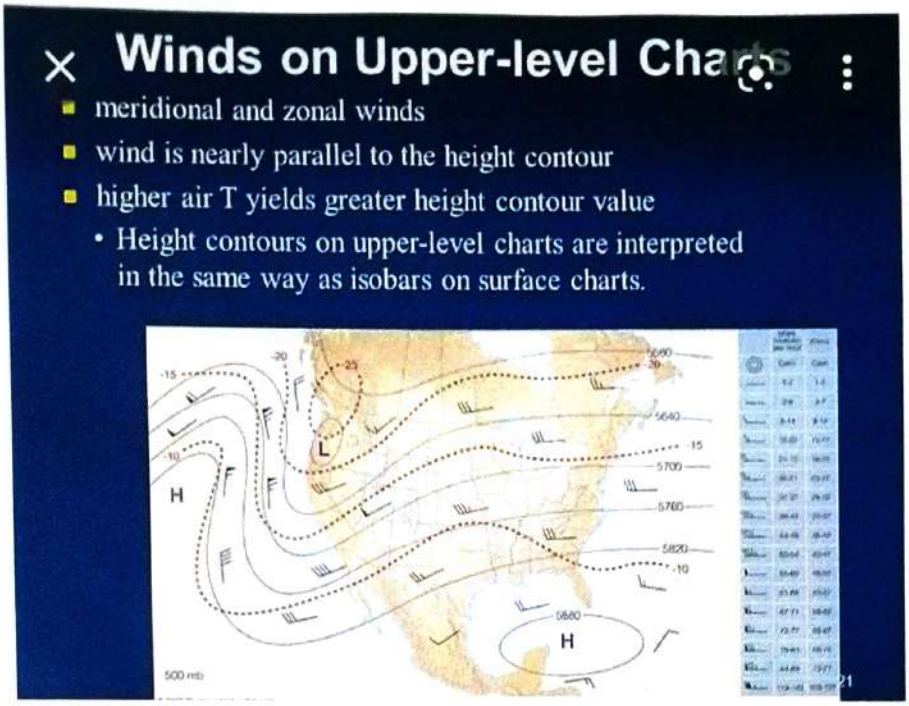
$$\phi = \frac{P_{H_2O}}{P^*_{H_2O}}$$

ϕ = relativity humidity.

P_{H_2O} = Partial pressure of water vapour.

$P^*_{H_2O}$ = Equilibrium vapour pressure of water.

* Plotting of constant upper wind chart



⇒ Winds in the upper levels will blow clockwise around area of high pressure. and counterclockwise around areas of low pressure.

⇒ The speed of the wind is determined by the pressure gradient. The winds are strongest in regions where the isobars are close together.

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DEPARTMENT OF MATHEMATICS

Seminar list for the year 2021-22

SL. No.	Name of the student	Class	Date	Topic
1	Shruti D.Korbu	B.ScIII[rd] Sem (A Div)	17-12-2021	Jacobians
2	Daneshwari S.Kolalagi	B.Sc 1[st] Sem (B Div)	18-12-2021	Rolle's Theorem
3	Reshma R. Veranekar	B.ScIII[rd] Sem (B Div)	21-12-2021	LMVT for two variables
4	Keerti V. Kottalagi	B.ScIII[rd] Sem (B Div)	04-01-2022	Monotonic Sequence
5	Aishwarya M. Mishrikoti	B.Sc 1[st] Sem (A Div)	05-01-2022	LMVT
6	Aishwarya M. Mishrikoti	B.ScII[nd] Sem (A Div)	13-07-2022	Cosets
7	Daneshwari S.Kolalagi	B.ScII[nd] Sem (B Div)	16-07-2022	Euier's Theorem

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DEPARTMENT OF MATHEMATICS

Seminar Attendance

Class: B.Sc – III sem (A) Name: Shruti D. Korbu

Date & Time: 17/12/2021 [12-1pm] **Topic:** Jacobians.

Roll No.	Name of the student	Signature	Roll No.	Name of the student	Signature
66	Nikita Hiremälle		18	Prajwal .P. Naganure	
44	Bhagyashree.G. Doganavar		85	Shravankumar .S. Kambar	
69	Pallavi . k. khot		82	Savant Krishna Magadum	
65	Nikita K. Dandi		79	Sammed M. Panade	
24	Saleena . M. Nadaf.		52	Irappa S. Rajagoudar	
57	Lavanya. k. Tinadale		53	Jaikumar. L. Wadake	
62	Neeta. A. Malebanur		89	Siddarth. K. Aski	
50	Goutami P. Sadalagi		74	Rahul S Dabbannavar	
13	Manisha. S. Herawade		30	Sourabh. S. Kothali.	
63	Nayana. M. Drakshe		25	Sameer Bagawale	
16	Nandini. R. Sule		56	Kiran. I. Ambi;	
90	Sneha . A . Patil		60	Mahesh. A Kamati	
15	Manjushri . P. Wandimali		10	Gurudhar. Borabanve	
29	Soumya . A . Kurani		07	Basavaraj . Killedar	
03	Ankita . I . Khot		86	Shridhar. R. Donawade	
09	Gouravva . S . Patil		182	Sangamesh. S. Patil	
64	Nikhita . S . Panadare		84	Shivanand. Basagoudanavar	
37	Akshata . S . Doganavar		91	Suresh chigari	
32	Sujata . S. Mugadum		12	Mahammadarif. A. Dange	
201	Akshata . D . Maste		35	Vicky . S . Sharma	
359	Laxmi M. Patil		92	Suresh . I . Kudachi	
11	Komal . Nitin . Mali		49	Girish M Magadum	
54	Kaveri . C . Kamble		46	Dattatrya . T . Talavar	
70	Pragati . M . Patanje		80	Santosh . D . maste	
46	Chaitra . B . Vantamuri		76	Ramesh A. Patil	
43	Bhagyashree . T . Savant				
02	Akshata . A . Kamble				
40	Abhruta . R . Ningannavar				
08	Gayatri . D . Potadar				
48	Divya . R . kumbar				
19	Pratibha . k . Parit				
33	Tarabai . S . kamble				
3471	Preeti . T . Babhagavda				

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DEPARTMENT OF MATHEMATICS

Seminar Attendance

Class: B.Sc – III Sem (B) **Name:** Reshma R. Verrekar

Date & Time: 21/12/2021 [9.30 – 10.30 am] **Topic:** LMVT for two variables

Roll No.	Name of the student	Signature	Roll No.	Name of the student	Signature
133	Keerti. V. Kottalagi	Kottalagi	127	Omkar . V. Khot	Khot
135	Shruti. S. Baragave		111	Shivakumar. Sakroji	Sakroji
106	Asmita. M. Sawant		107	Mallikarjun. Dalawayi	
116	Sonali G. Mathapati				
138	Sneha C Bubanale				
105	Aishwarya. P. Killikar				
129	Pooja. A. Navi				
95	Swapna. A. Mangavate				
183	Sudharani. S. Gotur				
115	Sipanau. B. Kavalvade				
112	Shivani. N Patharvat				
118	Swati. S. Mamadapure				
201	Amruta. A. Rabadagi				
113	Shruti. R. Shiraganve				
180	Megha. N. Handaguade				
94	Suvasini. A. Baragave				
184	Veena. A. Chanti				
98	Vidya M. Wathare				
125	Mahananda S. Shipure				
121	Suvaraj. B. Kamble				
128	Omkar. R. Pujeri				
136	Siddeshwar. Babaleshwar				
131	Praveen Dayingade				
117	Sushant Patil				
134	Rohit Patil				
140	Sunil Chougala				
141	Vinayak Ningade				
142	Vinayak patil				
122	Adarsh. R. Patil				
123	Anand. R. chougle				
110	Sanket. G. Mali				
109	Prajwal. S. Dhulashetti				
143	Umesh. A. Mudegi				
139	Sudeep. S. Harugeri				
104	Abhay. A. Patil				

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DEPARTMENT OF MATHEMATICS

Seminar Attendance

Class: B.Sc – III Sem (B) Name: Geeta V. Kottalagi

Date & Time: 4/01/2022 [12 – 1pm] **Topic:** Monotone Sequence

Roll No.	Name of the student	Signature	Roll No.	Name of the student	Signature
107	Mallikarjun. Dalavayi		94	Suvasini. A. Boragaonve	
111	Shivakumar. Sakroji		184	Veena A. Ghanti	
104	Abhay. A. Patil		98	Vidya. M. Wathare	
127	Omkar. V. Khot				
143	Umesh. A. mudasi				
139	Sudeep. S. Harugeri				
109	Prajwal. S. Dhulashetti				
110	Sanket. G. Mali				
141	Vinayak Ningadal				
142	Vinayak patil				
122	Adarsh. R. Patil				
123	Anand. R. Chougale				
134	Rohit S Patil				
140	Sunil. M. chougala				
131	Praveen Dayingade				
117	Sushant patil				
128	Omkar. Pujari				
136	Siddeshwar. Babaleshwar				
121	Yuvaraj B. kamble				
132	Reshma. Venekar				
125	Mahananda Shipure				
135	Shruti. S. Boragaonve				
106	Amrita. M. Sawant				
116	Sonali G Mathapati				
105	Aishwarya. P. Killikar				
138	Sneha C Bubarale				
129	Pooja. A. Navi				
95	Supriya A. Margavate				
183	Sudharani. Gotur				
115	Sivaraj. B. Kavalande				
119	Shivani V Patharavat				
118	Swati. S. Mamadapure				
201	Amruta Kabadagi				
113	Shreni Shiraganve				
180	Megha. N. Handaganda				

HOD

H. O. D.
MATHEMATICS
B. K. College, CHIKODI

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. ts, Science and Commerce Coll.
CHIKODI - 591 201

Name : Shruti Dayanand korbu

R.No : 88

Sub : Mathematics

Date: 17/12/2021 (12-1.00PM)

JACOBIANS

If u and v are functions of x and y then the determinant namely (viz) $\begin{vmatrix} \frac{\partial u}{\partial x} & \frac{\partial u}{\partial y} \\ \frac{\partial v}{\partial x} & \frac{\partial v}{\partial y} \end{vmatrix}$ is called $J(u,v)$ with respect to x, y and it is denoted by $J(u,v)$ or $J\left(\frac{u,v}{x,y}\right)$ or $\frac{\partial(u,v)}{\partial(x,y)}$

Example:

① If $x = r\cos\theta$, $y = r\sin\theta$ then show that $J(x,y) = r$

Soln: Now,

$$x = r\cos\theta \Rightarrow \frac{\partial x}{\partial r} = \cos\theta, \quad \frac{\partial x}{\partial \theta} = -r\sin\theta$$

and $$y = r\sin\theta \Rightarrow \frac{\partial y}{\partial r} = \sin\theta, \quad \frac{\partial y}{\partial \theta} = r\cos\theta$$

$$\therefore J(x,y) = \frac{\partial(x,y)}{\partial(r,\theta)} = \begin{vmatrix} \frac{\partial x}{\partial r} & \frac{\partial x}{\partial \theta} \\ \frac{\partial y}{\partial r} & \frac{\partial y}{\partial \theta} \end{vmatrix}$$

$$= \begin{vmatrix} \cos\theta & -r\sin\theta \\ \sin\theta & r\cos\theta \end{vmatrix}$$

$$= r\cos^2\theta + r\sin^2\theta$$

$$= r[\cos^2\theta + \sin^2\theta]$$

$$= r(1)$$

$$\therefore J(x,y) = r$$

Chain Rule For Jacobian

Theorem:

If u_1 and u_2 are the functions of y_1, y_2 and y_1, y_2 are the functions of x_1, x_2 then prove that

$$\frac{\partial(u_1,u_2)}{\partial(x_1,x_2)} = \frac{\partial(u_1,u_2)}{\partial(y_1,y_2)} \times \frac{\partial(y_1,y_2)}{\partial(x_1,x_2)}$$

Proof: Consider,

$$RHS = \frac{\partial(u_1,u_2)}{\partial(y_1,y_2)} \times \frac{\partial(y_1,y_2)}{\partial(x_1,x_2)}$$

$$= \begin{vmatrix} \frac{\partial u_1}{\partial y_1} & \frac{\partial u_1}{\partial y_2} \\ \frac{\partial u_2}{\partial y_1} & \frac{\partial u_2}{\partial y_2} \end{vmatrix} \times \begin{vmatrix} \frac{\partial y_1}{\partial x_1} & \frac{\partial y_1}{\partial x_2} \\ \frac{\partial y_2}{\partial x_1} & \frac{\partial y_2}{\partial x_2} \end{vmatrix}$$

$$= \begin{vmatrix} \frac{\partial u_1}{\partial y_1}\cdot\frac{\partial y_1}{\partial x_1} + \frac{\partial u_1}{\partial y_2}\cdot\frac{\partial y_2}{\partial x_1} & \frac{\partial u_1}{\partial y_1}\cdot\frac{\partial y_1}{\partial x_2} + \frac{\partial u_1}{\partial y_2}\cdot\frac{\partial y_2}{\partial x_2} \\ \frac{\partial u_2}{\partial y_1}\cdot\frac{\partial y_1}{\partial x_1} + \frac{\partial u_2}{\partial y_2}\cdot\frac{\partial y_2}{\partial x_1} & \frac{\partial u_2}{\partial y_1}\cdot\frac{\partial y_1}{\partial x_2} + \frac{\partial u_2}{\partial y_2}\cdot\frac{\partial y_2}{\partial x_2} \end{vmatrix}$$

[$\because$ Row by Column Multiplication]

But

$$\frac{\partial u_1}{\partial x_1} = \frac{\partial u_1}{\partial y_1}\cdot\frac{\partial y_1}{\partial x_1} + \frac{\partial u_1}{\partial y_2}\cdot\frac{\partial y_2}{\partial x_1} \quad | \because \text{chain Rule}$$

$$\therefore \quad RHS = \begin{vmatrix} \frac{\partial u_1}{\partial x_1} & \frac{\partial u_1}{\partial x_2} \\ \frac{\partial u_2}{\partial x_1} & \frac{\partial u_2}{\partial x_2} \end{vmatrix}$$

$$= \frac{\partial(u_1,u_2)}{\partial(x_1,x_2)}$$

$RHS = LHS$

Lagrange's Mean Value Theorem For The Functions Of Two Variables

Statement:

If $f(x,y)$ has continuous partial derivatives on the domain D then prove that

$$f(a+h, b+k) - f(a,b) = \left(h\frac{\partial}{\partial x} + k\frac{\partial}{\partial y} \right) f(a+\theta h, b+\theta k)$$

$$= h f_x(a+\theta h, b+\theta k) + k f_y(a+\theta h, b+\theta k)$$

Proof:

Consider the function $\phi(t)$ defined by

$$\phi(t) = f(a+th, b+tk)$$

Using mean value theorem of single variable we have

$$\phi(t) - \phi(0) = t\phi'(\theta t) \quad \text{— (1)}$$

$$\left[\because \frac{f(a+h) - f(a)}{h} = f'(\theta x) \right]$$

Now, $\phi(t) = f(a+th, b+tk)$

$$\therefore \phi(0) = f(a,b)$$

Now Again

$$\phi'(t) = \frac{d}{dt}[\phi(t)]$$

$$= \frac{d}{dt}[f(a+th, b+tk)]$$

$$= \frac{d}{dt}\left[f(x,y)\right]$$

where, $x = a + th$

$y = b + tk$

$$\phi'(t) = \frac{\partial f}{\partial x}\cdot\frac{dx}{dt} + \frac{\partial f}{\partial y}\cdot\frac{dy}{dt} \quad \left[\because \text{Total differential coefficient}\right]$$

$$= h\frac{\partial f}{\partial x} + k\frac{\partial f}{\partial y}$$

$$= \left(h\frac{\partial}{\partial x} + k\frac{\partial}{\partial y}\right) f$$

$$\therefore \phi'(t) = \left(h\frac{\partial}{\partial x} + k\frac{\partial}{\partial y}\right) f(a+th,\ b+tk)$$

$$\Rightarrow \phi'(\theta t) = \left(h\frac{\partial}{\partial x} + k\frac{\partial}{\partial y}\right) f(a+\theta th,\ b+\theta tk)$$

$\therefore$ Eqn ① becomes

$$f(a+th,\ b+tk) - f(a,b) = \left(h\frac{\partial}{\partial x} + k\frac{\partial}{\partial y}\right) f(a+\theta th,\ b+\theta tk)$$

Put $t = 1$, we get

$$f(a+h,\ b+k) - f(a,b) = \left(h\frac{\partial}{\partial x} + k\frac{\partial}{\partial y}\right) f(a+\theta h,\ b+\theta k)$$

$$= hf_x(a+\theta h,\ b+\theta k) + kf_y(a+\theta h,\ b+\theta k)$$

Examples On Taylor's Theorem

① Expand $xy^2 + x^2y$ in powers of $(x-1)$ and $(y+3)$ up to 2nd degree terms

Soln: Let $f(x,y) = xy^2 + x^2y$

The expansion of $f(x,y)$ about $(1,-3)$ is given by

$$f(x,y) = f(1,-3) + [(x-1)f_x(1,-3) + (y+3)f_y(1,-3)] + \frac{1}{2!}$$
$$[(x-1)^2 f_{xx}(1,-3) + 2(x-1)(y+3)f_{xy}(1,-3) + (y+3)^2 f_{yy}(1,-3)] - ①$$

Now,

$f(x,y) = xy^2 + x^2y \Rightarrow f(1,-3) = 9 + (-3) = 6$

$f_x(x,y) = y^2 + 2xy \Rightarrow f_x(1,-3) = 9 + (-6) = -3$

$f_y(x,y) = 2xy + x^2 \Rightarrow f_y(1,-3) = -6 + 1 = -5$

$f_{xx}(x,y) = 2y \Rightarrow f_{xx}(1,-3) = 2(-3) = -6$

$f_{xy}(x,y) = 2y + 2x \Rightarrow f_{xy}(1,-3) = -6 + 2 = -4$

$f_{yy}(x,y) = 2x \Rightarrow f_{yy}(1,-3) = 2(1) = 2$

Eqn ① becomes

$$f(x,y) = 6 + [(x-1)(3) + (y+3)(-5)] + \frac{1}{2!}[(x-1)^2(-6) + 2(x-1)(y+3)(-4) + (y+3)^2(2)]$$

$$xy^2 + x^2y = 6 + [3(x-1) - 5(y+3)] + \frac{1}{2}[-6(x-1)^2 - 8(x-1)(y+3) + 2(y+3)^2]$$

$$xy^2 + x^2y = 6 + [3(x-1) - 5(y+3)] - 3(x-1)^2 - 4(x-1)(y+3) + (y+3)^2$$

(2) Expand $f(x,y) = x^2+xy-y^2$ up to second degree in powers of $(x-1)$ and $(y+2)$

Soln: Let $f(x,y) = x^2+xy-y^2$

The expansion of $f(x,y)$ about $(1,-2)$ is given by

$$f(x,y) = f(1,-2) + [(x-1)f_x(1,-2) + (y+2)f_y(1,-2)] + \frac{1}{2!}$$
$$[(x-1)^2 f_{xx}(1,-2) + 2(x-1)(y+2)f_{xy}(1,-2) + (y+2)^2 f_{yy}(1,-2)] - (1)$$

Now,

$f(x,y) = x^2+xy-y^2 \Rightarrow f(1,-2) = 1+(-2)-4 = -5$

$f_x(x,y) = 2x+y \Rightarrow f_x(1,-2) = 2(1)+(-2) = 0$

$f_y(x,y) = x-2y \Rightarrow f_y(1,-2) = 1-2(-2) = 5$

$f_{xx}(x,y) = 2 \Rightarrow f_{xx}(1,-2) = 2$

$f_{xy}(x,y) = 1 \Rightarrow f_{xy}(1,-2) = 1$

$f_{yy}(x,y) = -2 \Rightarrow f_{yy}(1,-2) = -2$

$\therefore$ Eqn (1) becomes

$$f(x,y) = -5 + [(x-1)0 + (y+2)(5)] + \frac{1}{2!}[(x-1)^2(2) + 2(x-1)(y+2)(1) + (y+2)^2(-2)]$$

$$x^2+xy-y^2 = -5 + 5(y+2) + \frac{1}{2}[2(x-1)^2 + 2(x-1)(y+2) - 2(y+2)^2]$$

$$x^2+xy-y^2 = -5 + 5(y+2) + (x-1)^2 + (x-1)(y+2) - (y+2)^2$$

In-House Seminar programme 2021-22 Date-22/11/202

Class- B.Sc I Semester (DSCC) Time:-12-1pm

1) Muzafar kalaigar (64) ⟶ Penicellium
2) Mahantesh Devanagol (55) ⟶ microbial type culture collection & Gene Bank.

Roll. No.	Name	Sign
135	Yallakha. N. Khot	
90	Roopa. R. Desai	
84	Rajashree. M. Tirodkar	
99	Sangeeta. K. Bambalawade	
56	Meenakshi. G. Naik	
40	Kavita. G. Jadhav	
73	poonam. B. Malage	
51	Madiha. M. Mulla.	
18	Akshata. M. Kore	
138	Laxmi, N. payappagol	L. N. Payappagol
130	Veena Laxman Musaguppi	
65	Nagesh. Appasab Kagawade	
55	Mahantesh Ganapati. Devanagol	
64	Muzafar. A. Kalaigar	
115	Sourabh. A. Rendale	
127	Uttam. S. Varute	

Teathers:

1) Shri. R. R. Naik (HOD)
2) Miss. S. S. Sangane
3) Miss. K. H. Halli

HEAD
DEPARTMENT OF BOTANY

PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201

BASAVAPRABHU KORE ARTS SCIENCE COMMERCE COLLEGE CHIKODI

Name :- Arpita. R. Naik.

Subject :- Botany

Roll No. :- 25.

Class :- BSc. IInd sem

General account on Blue green algae

Definition :-

Blue-green algae are actually types of bacteria known as Cyanobacteria. The normally look green and Sometimes may turn bluish when Scums are dying. Taste and odour problems Commonly occur with large Concentrations of blue-green algae and Some Species are Capable of producing toxins.

Favourable Conditions for the Growth of Blue-Green Algae :-

- The nutrient levels Specifically phosphorus and Nitrogen are Sufficiently available in the water.
- When the ratio of the Concentration of nitrogen to phosphorus is low.
- When the water is Still and there is low turbulance.
- When the weather Condition of the region is stable

Main Features of Blue-Green Algae

- Blue-green algae is a unicellular, Prokaryotic (Pro = primitive, karyon = nucleus) Organism.
- It does not have a well-defined nucleus.
- The DNA is not present inside the nucleus (means the DNA is naked) rather it is present in the Cytoplasm not enclosed by the nuclear membrane).
- DNA has no histone protein.

Growth of Blue-Green Algae

- Blue-green algae produce their own food by the process of photosynthesis, which uses light, Oxygen and nutrients.
- The Sugars produced by the bacteria helps them in growth and cell division.
- The rate of Cell division is more in warm water, which accounts for their reason why they are often Seen in Summer when the temperature of the Water is more.
- For the Optimum growth, blue green algae require a temperature varying from 10-35°C, good oxygen supply high intensity of light and nutrients (mainly Phosphorous).

Uses of Blue-Green Algae

- Blue-green algae Contain a small amount of Vitamins beta Carotene and Some minerals.
- Blue-green algae are used as a nutrient Supplement and also helps in losing weight.
- It helps in boosting the immune System and Controlling cholesterol levels.
- Some Species of Blue-green algae naturally fertilise fields and rice paddies and Contributes majorly to the food Supply.
- Anabaena Coexists with a fern Called Azolla which Supplies nitrogen to the plant.
- Certain blue-green algae are processed for Various food and medicinal products Such as Vitamins, drug Compounds and growth factors.
- Spirulina is a popular high protein food source.

Problems Caused by Blue-Green Algae

- Harmful to human health
- Affects the livestocks
- Imparts unpleasent odour and taste to water
- Produces toxins which affect the aquatic organisms

- Deplete the oxygen content of water bodies.
- Causes the killing of fish
- Incurs high water treatment costs

Reducing Intensity of Blue-Green Algae

- By reducing the amount of nitrogen and phosphorus from the water helps in reducing the intensity of blue-green algae in the water.
- But it may take a long time to effectively remove these compounds from water.
- The reason for this is that there may be a large amount of these nutrients at the bottom of the water body and they still serve as the food for the blue-green algae.
- By lowering the oxygen content.
- By reducing the light
- By lowering the temperature.

21/6/22

11 to 12 noon.

In-house Seminar

B.Sc IV Semester

RAJESWARI PAGE DATE 21 6 22

Sl.No	Roll No.	Name of the Student	Signature
1	161	Praveen S. Desai	
2	190	Pramod Koujalagi	
3	168	Siddappa L patil	
4	176	Vinayak B. Chavaradar	
5	147	Ashish V. Kurade	
6	172	Suprit.k.Bellankhi	
7	175	Vinod A Desai	
8	197	Vinayak B. Allannavar	
9	169	Siddharth. R Patil	
10	171	Sudeep. K. Mirsi	
11	152	Shantinath T Tekane	
12	155	Vrushikesh R. Mali	
13	149	Pramod. C. Dattawade	
14	194	Shankar. Y. Patil	
15	195	Shreya .S. Holiyhagol	
16	187	Aysha A. Ghari	
17	150	Pratiksha B Medar	
18	154	Shreyashri P Chitare	
19	160	Pooja. k. Gadave	
20	177	Yashoda B kambar	
21	164	Radha Raju Kadi	
22	191	Archana. C. Shirgave	
23	157	Amruta R Bll Patil	
24	192	Savita. R. Koujalagi	
25	156	Amruta. M. Nandeshwari	
26	193	Sakshi. K. Hallp.	
27	170	Sarilakshmi B.K	
28	167	Shambhavi M.V	
29	174	Vanishree. Hanamant Bhagantri	
30	145	Akshay C. Amble	

Name of the Student Presenting Seminar

1. Akshay C. Amble 145 : Evolution of Man
2. Ashish. V. Kurade 147 : Fossilization

Dr. S.S. Kusanur
Faculty In-charge

In - House Seminar

Name: Ashish. V. Kurade

Roll no: 147

Reg no: S2018221

Class: B.Sc IV sem

Subject: Zoology

Topic: Fossilization & Types of fossils

Fossilization :-

→ Fossilization can be defined as the physical, chemical and biological process that lead to the preservation of plant and animal remains, over time.

Types of Fossil's :-

1. Petrification

→ It is molecule by molecule replacement of organic matter by inorganic matter like $CaCO_3$ [Calcium Carbonate] and silica like substances

→ This type of fossil is also called as Turning into stones

→ This process usually occurs in low p^H Concentration.

→ Example: Shells of mollusca, Arthropods exoskeleton and fish skeleton.

2. Coprolite

→ When the excreta of animals is burried and fossilized Gives an fossil's it is called Coprolite.

→ These fossil's gives /provides the information about the animals diet,

→ Example : Guano of Sea Birds

[Guano = feacal matter of Bird]

3. Impressions

→ Impressions of body parts like skin, feathers, leaves are formed when they passed against the soft clay or muddy surfaces.

→ These impressions may be of animals and plants also.

→ Example: Fossil of Archaeopterise.

4. Mould's and Cast

→ Hardening of materials surrounding the body of animals due to lava and volcanic ashes.

→ When a body of animals traps in lava it stay's there for a longer period of time and starts to degrade

→ This leads to a hollow body cavity known as mould formation which gives indication of Contour of animals.

→ When moulds filled with inorganic materials like Calcium Carbonate [$CaCO_3$] and silica like substances. and becomes harder, which is known as Cast

→ An exact replica of animal body which is made-up of inorganic substances.

5. In ice / Frozen Fossil's

→ When whole body of an animal is burried in deep Snow which never melts. The body is preserved in the deep snow for longer time. period.

→ Due to there were no decomposers or disintigrating agents The animal body is preseved in tact in its state.

→ Example: Fossil of wooly mammoth.

6. Resin and Amber

→ These type of fossils are found in Coniferous forests.

→ Resins are sticky Substances secreated by the Conifer -ous plants.

→ Small insects like mosquito will get trapped in resin. and Some flies also.

→ Later the resin hardens to form amber and preserv -es that trapped insect or fly.

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Date:01.02.2022

DEPARTMENT OF ENGLISH
CLASS SEMINAR

Class: B.A. Semester: I

Subject : Optional English (NEP)

Teacher In charge: Dr. G. G. Doddamani

Sl. No	Roll No	Name of the Facilitator	Topic	Date	Sign
1	49	Preetkumar Ummayi	My Lord The Baby	01/02/2022	Preetk
2	30	Kavya. Shahapur	Chicago adress : Swami vivekanand	01/02/2022	

Participants List :

Sl.No	Roll No.	Name	Signature
1.	58	Ruchita .M. Honnakatti	
2.	51	Priyanka .K. Pujari	
3.	64	Sakshi .N. Madihalli	
4.	01	Abhishek .M. Kavatagimath	
5.	06	Ankit G. Kamble	
6.	83	Tohid H. Nadaf	
7.	38	Muskan. S. sayyad	
8.	23	Jyoti .B. Gudase	
9.			
10.			
11.			
12.			

Teacher in charge

HOD
Head
Department of English

Principal
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Arts, Science and Commerce College
CHIKODI - 591 201

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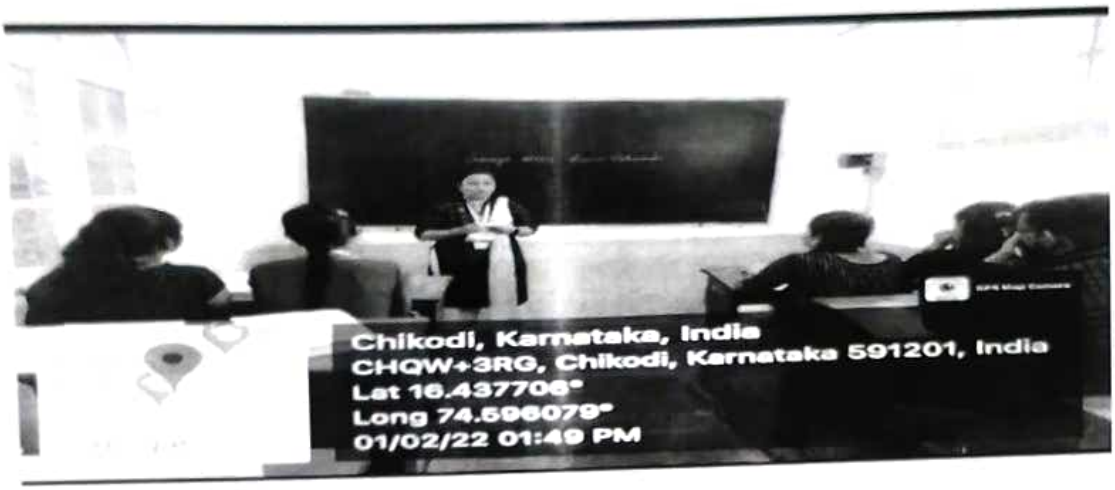
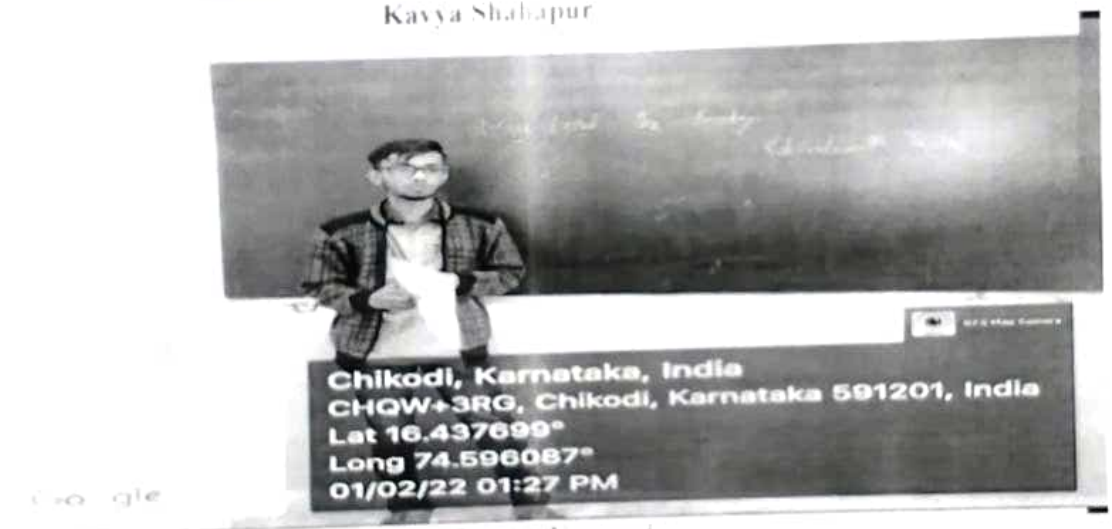
COMMERCE COLLEGE, CHIKODI – 591 201.
(Accredited at 'A' with 3.26 CGPA in 3rd Cycle of A & A)
Website: www.klesbkcollegechikodi.edu.in e-mail: kles_bkcc@rediffmail.com Ph: 08338 – 272176

DEPARTMENT OF ENGLISH 2021-22

Class Seminar Photos B.A I Semester



Kavya Shahapur



Preetkumar Ummayi

Teacher In-charge

HOD
Head
Department of English

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Department of Economics

Seminar List 2021-22

B.A. II[nd] Semester

Si.N	A2023701	Name of the Student	Date	Time	Topic	No of Beneficiaries
01	U15DM21A0029	Kavya M.Bekkeri	25/52022	8.30-9.30	Impact of COVID - 19 Pandemic	14
02	U15DM21A0082	Swatti. N. Mudihalli	01/06/2022	8.30-9.30	LPG	14
03	U15DM21A0012	Ashwarya Pawar	03-06-2022	2.30-3.30	LPG	13
04	U15DM21A0079	Sudeep Cheugale	16/06/2022	11-12	Commercial Banks	12
05	U15DM21A0011	Ashwini Devanagol	18/06/2022	01-02	1991 Industrial Policy	14
06	U15DM21A0036	Mandodari Suttati	6/07/2022	8.30-9.30	Difference between Internal and International Trade	13
07	U15DM21A0017	Chandrika Shambhu	14/07/2022	9.30-10.30	Macro Economics	14
08	U15DM21A0064	Sakshi Kamble	21/07/2022	11-12	Karnataka Human Development Index	14
09	U15DM21A0027	Kanchan Bane	03/08/2022	8.30-9.30	Macro Economics	12

B.A. IV[th] Semester 2021-22

SI.No	Reg. No	Name of the Student	Date	Time	Topic	No of Beneficiaries
01	A2023719	Ashwini K.Patil	27/5/2022	11-12	Balance of Payment	14
02	A2023769	Swati R. Karpurshetti	7/6/2022	8.30-9.30	Foreign exchange of control	12
03	A2023766	Sunil R. Yadravi	9/7/2022	12-01	International Trade	15

B.A.VIth Semester 2021-22

SI.No	SI.No	Name of the Student	Date	Time	Topic	No of Beneficiaries
01	A1920806	Ankita A. Vathare	02/06/2022	12-01	Direct Tax	16
02	A1920867	Srushti G. Khichade	14/07/2022	12-01	Public Finance Nature and Scope	17
03	A1920830	Mallappa Khagganavar	18/08/2022	12-01	Public Finance Nature and Scope	15

HOD

Department of Economics

KLE's Basavaprabhu Kore Arts, Sci.& Com. College NAAC ACCREDITATION A+ CGPA 3.42 CHIKODI-591201

Principal

PRINCIPAL
KLES'S Basavaprabhu Kore
Arts, Science and Commerce College
CHIKODI - 591 201

Seminar paper

STUDENTS NAME Vidyashree. A. Omarray	TOTAL MARKS OBTAINED
CLASS BA VI — SUBJECT Economic I	
ROLL NO 66 — DATE	

ಸಾರ್ವಜನಿಕ ಸಾಲವನ್ನು ಮರು ಪಾವತಿ ಮಾಡುವ ವಿಧಾನಗಳು:-

a) ಹೆಚ್ಚುವರಿ ಬಜೆಟ್ಟಿನಿಂದ ಮರು ಪಾವತಿ ಮಾಡುವುದು:-

ಸರ್ಕಾರವು ತನ್ನ ಬಜೆಟ್ ಹೆಚ್ಚುವರಿಯನ್ನು ಸಾರ್ವಜನಿಕ ಸಾಲದ ಮರು ಪಾವತಿಗಾಗಿ ಬಳಸಿಕೊಳ್ಳುತ್ತದೆ. ಇದು ಸಾಲ ವಿಮೋಚನೆಯ ಉತ್ತಮ ವಿಧಾನವಾಗಿದೆ. ಹೆಚ್ಚುವರಿ ಬಜೆಟ್ ಸಾಧಿಸಬೇಕಾದರೆ ಸರ್ಕಾರವು ತನ್ನ ವೆಚ್ಚವನ್ನು ಕಡಿಮೆ ಮಾಡಬೇಕು.

b) ಬಂಡವಾಳದ ತೆರಿಗೆ ವಿಧಿಸುವುದು:-

ತನ್ನ ಋಣ ಸಂದಾಯ ಮಾಡುವಾಗ, ಸರ್ಕಾರವು ಜನರ ಮೇಲೆ ತನ್ನ ಬಂಡವಾಳದ ತೆರಿಗೆ ವಿಧಿಸುವುದು. ಸರ್ಕಾರವು ತನ್ನ ಬಂಡವಾಳದ ತೆರಿಗೆಯಿಂದ ಸಾಲ ತೀರಿಸಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ. ಇದರಿಂದ ಮರು ಪಾವತಿ ಮಾಡುವ ಸಾರ್ವಜನಿಕ ಋಣದ ಹೊರೆ ಕಡಿಮೆಯಾಗುತ್ತದೆ.

c) ಮಾರ್ಕೆಟ್ ಕೊಂಡುಕೊಳ್ಳುವ ಮೂಲಕ ತೀರಿಸುವುದು:

ಈ ವಿಧಾನದಲ್ಲಿ ಸರ್ಕಾರ ತನ್ನ ಸಾಲವನ್ನು ಪೇಟೆಯಿಂದ ಮಾರ್ಕೆಟ್ ಕೊಂಡುಕೊಳ್ಳುವ ಮೂಲಕ ಮರು ಪಾವತಿ ಮಾಡುತ್ತದೆ. ಮಾರ್ಕೆಟ್ ಕೊಂಡುಕೊಳ್ಳುವ ಸಾಲ ಮರುಪಾವತಿಯ ವಿಧಾನವಾಗಿ ಬಳಸಲಾಗುತ್ತದೆ.

d) ಚಲಿಸುತ್ತೇನೆ:-

ಹೆಚ್ಚು ಭಯ ಪಡೆ ನಾಲಿಗೆಯು ಕೆಲವು ಭಯ ಪಡದ ನಾಲಿಗೆಗಿಂತ ಬಹಳಷ್ಟು ಕಾಲ ಚಲಿಸುತ್ತದೆ ಎಂದು ಅಧ್ಯಯನ ತಜ್ಞರು ಹೇಳಿದ್ದಾರೆ.

e) ಇನ್ನು ಅಲೋಚನೆ ಎಂದು:-

ನಿದ್ರೆ ಆಳವಾಗಿ ನಕಾರಾತ್ಮಕ ಕಾಲ ಚಲಿಸುವುದಕ್ಕಾಗಿ ಹೆಂಗಳೆಯರಿಗಿಂತ ಹೆಚ್ಚು ಯೋಚಿಸುವ ಅಭ್ಯಾಸ ಇದೆ. ಕಾಲದ ಬಗ್ಗೆ ಅಲೋಚನೆಗಾಗಿ ನಕಾರಾತ್ಮಕ ಎಂದು ಎರಡು ವಿಧವಾಗಿ ವಿಂಗಡಿಸಲಾಗಿದೆ. ಇನ್ನು ಅಲೋಚನೆ ಎಂದರೆ ಎರಡು ವಿಧ:-

i) ಸಂಕ್ಷಿಪ್ತ ಎಂದು
ii) ದೀರ್ಘವಾದ ಎಂದು

f) ಕಿಲಿಕೆ ಕಳೆದುಕೊಳ್ಳುವ ಹೊಣೆ ತೆಂಗಿನ ಎಂದು ಹೇಳುತ್ತಾರೆ. ಕೆಲವು ತಲೆ ನಕಾರಾತ್ಮಕ ಕಾಲ ಹೆಚ್ಚಾಗಿ ಚಲಿಸುತ್ತದೆ ಎಂಬ ಕಾರಣಕ್ಕೆ ಇದನ್ನು ಹೋಲಿಸಲಾಗಿದೆ. ನಕಾರಾತ್ಮಕ ಕಿಲಿಕೆ ಕಳೆದುಕೊಳ್ಳುವ ಹೊಣೆ ತೆಂಗಿನಂತೆ ಚಾಲನೆ ಮಾಡುವ ಅಲೋಚನೆಯಿಂದ ಹೊರಬರಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ.

g) ಬಂಡೆಯಾಕೃತಿ ಹೊಣೆ ತೆಂಗಿನ:-

ನಾವು ಅಲೋಚನೆ ಮಾಡುವ ಕೆಲವು ನಕಾರಾತ್ಮಕ ಕೆಲವು ತಲೆ ಬಂಡೆಯಾಕೃತಿ ಹೊಣೆ ತೆಂಗಿನಂತೆ ಎಂದು ಹೇಳುತ್ತಾರೆ. ಮನಶಾಸ್ತ್ರಜ್ಞರ ಪ್ರಕಾರ ಎಂದರೆ ಒಂದು ಅಲೋಚನೆ ಮಾಡುವ ತಲೆಯು ಬಂಡೆಯಾಕೃತಿ ಹೊಣೆ ತೆಂಗಿನಂತೆ ಕಾಣುತ್ತದೆ.

B.A I (Opt) Seminar paper. P. I

Hindi

	Roll No.	Name	Date	Sign.
1)	48	Preeti S. Shinge	06.02.2022	Shinge
2)	84	Varsha. R. kamate	07/02/2022	Rkamate
3)	16	Bhimambika, S, Jogalekar.	07/02/2022	Bhimambika
4)	52	Rakesh. D. Hejeddi	07/02/2022	R. D. H.
5)	14	Basavraj A Tubake	08/02/2022	BT
6)	47	Prathamesh. B. Kadam	8/02/2022	
7)				
8)				

के. पाल. इ सोसायटीज

वस्पव प्रभू कोरे

कला, विज्ञान, वाणिज्य

महाविद्यालय चिकोड़ी

हिंदी [डी. एस. सी] सेमिनार

नाम : वर्षा. रा. कमते.

विभाग : बी. ए. - I.

हाजरी सं : ८४ [84].

कवि परिचय :-

मन्नू भंडारी

इनका परिचय :-

मन्नू भंडारी जी का जन्म मध्य प्रदेश के भानपुरा में ३ अप्रैल १९३१ में हुआ। इनके पिता का नाम सुखसंपत राय भंडारी था। इनके पीता भग्नावशेषो के ढोते पिता थे। एक बार एक बहुत बड़े आर्थिक झटके के कारण वे इंदौर से अजमेर आ गए थे, जहाँ उन्होने अपने अकेले के बल-बूते और हौसले से अंग्रेजी हिंदी शब्दकोश का अधूरे काम को आगे बढ़ना शुरु किया जो अपनी तरह का पहला और अकेला शब्दकोश था। मन्नू भंडारी जी इनकी पांच संतानो में से सबसे छोटी

थी। मन्नू भंडारी जी जब छोटी थी तबी इनकी बड़ी बहन की शादी हो गई थी। और मन्नू जी के दोनो भाई पढ़ाई और नौकरी के लिए घर से दूर थे। तो बची यह दो बहने ही थी। ~~क~~ मन्नू भंडारी जी की दूसरी बहन दीखने में सुंदर और मन्नु जी से भी होशीयार थी। मन्नु जी थोडी स्यी काली और पतली थी। मन्नु जी की बहण का ज्यादा तारीफ होती थी। और उन्वे दोनो बहुत अच्छे बहन तथा सहेलिया थी। जब मन्नु जी माद्रीक आयी तो उनकी बडी यामी मन्नु जी से दो वर्ष बडी बहन की भी शादी हो गई तो मन्नू जी अकेली रह गई। मन्नू भंडारी जी भी अपनी पिता

की तरह जीद्दी थी। जब मन्नु जी अकेली हो गयी तो उसके पिता उसे अपने साथ होने वाली देश की चर्चा वो मे बुलाने लगे और चर्चा में भाग लेने का अनुभव दिया।

मन्नू भंडारी जी के पिता मन्नू जी को कभी रसोई में जाने नही देते थे, वे रसोई को भटियार खान समझते थे। जहाँ गये वो तो पूरा दिमाग आग में झोक देना समझते थे। और मन्नू भंडारी जी बहोत खुली दिमाग की और धाकस भरी लडकी थी। उन्होने अपने कॉलेज महाविद्यालय मे अपनी हिन्दी शिक्षिका से प्रभावित हुई थी। मन्नू जी अपने अनेक चुनावो मे कॉलेज मे नारे लगाये थे। मन्नू भंडारी जी अनेक कहानीया

आत्मकथा, नाटक, उपन्यास लिखि है। इन्होने अध्यापिका होकर, प्रधानाध्यापिका हो कर काम किया है। विक्रम विश्वविद्यालय, उज्जैन मे प्रेमचन्द सृजनपीठ का अध्यक्ष भी रही है। 'आपका बंटी' और 'महाभोज' इनकी चर्चित औपन्यासिक कृतियाँ है। अन्य उपन्यास है 'एक इंच मुस्कान' तथा स्वामी। ये सभी उपन्यास 'सम्पूर्ण उपन्यास' शीर्षक से एक जिल्द में भी उपलब्ध है। मन्नू भंडारी जी की शादी राजेंद्र यादव जी के साथ हुई जो एक हिंदी लेखक तथा संपादक थे। मन्नू जी की कहानी-संग्रह - 'एक प्लेट सैलाब', 'मै हार गई', 'तीन निगाहो की एक तस्वीर', 'यही सच है', तथा सभी कहानियो का समग्र 'सम्पूर्ण कहानियाँ'; 'एक कहानी यह भी' इनकी अपनी आत्मकथात्मक

पुस्तक है जिसे उन्होंने अपनी 'लेखकीय आत्मकथा' कहा है। 'महाभोज', 'बिना दीवारों के घर', 'उजली नगरी चतुर राजा,' नाट्य-कृतियाँ तथा बच्चों के लिए पुस्तकों में प्रमुख है - 'आसमाता', 'आँखों देखा झूठ', 'कलवा' आदि उनकी कहानियां है। उन्हें अनेक पुरस्कार भी मिले है। मन्नू भंडारी जी का निधन 15 नवंबर 2021 में हुआ।

PG DEPARTMENT OF BOTANY

K.L.E SOCIETY'S BASAVAPRABHU KORE COLLEGE OF ARTS, SCIENCE AND COMMERCE,
CHIKODI – 591 201

Semester IV - Assignment and Seminar Topics: 2022

Registration Number	Name	Topics	Signature of the Candidate
BT201401	Ashwini Kakamari	Energy flow in the ecosystem-AAH	
BT201403	Dhanashri Hiremath	Micro-propagation – VVK	
BT201404	Madhuri Bhivase	Biological cycle-sedimentary & gases nutrient cycle – AAH	
BT201405	Masum Panwale	Algal protein - spirulina – VVK	
BT201406	Megha Paramashetti	Life cycle pattern & phylogeny of Basidiomycotina - VBS	
BT201407	Pallavi Thorushe	Hydrological cycle - AAH	
BT201408	Rohini Tharapatti	Interspecific & intraspecific interaction	
BT201409	Rutuja Patil	Ozone depletion - AAH	
BT201410	Shahida Desai	Fungi and their economic importance VBS	
BT201411	Shukruta Zhunjarawade	Fungal genetics - VBS	
BT201412	Soumya Shedbale	Reproduction in Fungi - VBS	
BT201413	Swathi Tawadare	Genetic engineering of micro organisms - VVK	
BT201414	Vani Munnoli	Plant disease epidemiology VBS	
BT201415	Varsha Kagawad	Somatic embryogenesis - VVK	
BT201416	Varsha Karagar	Intellectual property rights - Patents, trademark, geographical indication, copyright.	
BT201418	Vijaykumar belakoppad	Global warming and climate change – AAH	
BT201419	Vinaya Gharabude	Antibiotic production (Penicillin)	
BT201420	Vinod Kuri	Management & control of plant Diseases [VBS]	

PG DEPARTMENT OF BOTANY

K.L.E SOCIETY'S BASAVAPRABHU KORE COLLEGE OF ARTS, SCIENCE AND COMMERCE,
CHIKODI – 591 201

Semester II - Assignment and Seminar Topics: 2022

Registration Number	Name	Topics	Signature of the Candidate
BT211401	Akshata Kulkarni	Genetic Drift	AKulkarni.
BT211402	Akshata Mirje		
BT211403	Akshata S. Patil	Electromagnetic Spectrum	Apatil
BT211404	Akshata Vasawade	Methods of hybridizat^{n} in self & cross pollinated plants	
BT211405	Arati A. Kamble	Structural & numerical abnormalities.	Akamble
BT211406	Bhatale Janhavi	Genetic Code - Contribution of Nirenberg and khorana. Osmosis and diffusion	Janhavi.
BT211407	Chetan Hosatti	Hardy-Weinberg's Law	CHosatti
BT211408	Deepa Sheelinavar	classification of lipids	DKs.
BT211409	Geeta P Mannikeri	Marker Assisted Selection in Plant breeding	G.P.M
BT211410	Meghashri M. Badiger	Classification of Enzymes	Mbadiger.
BT211411	Padmashri Nalavade	Physcial & chemical properties of water	Pnale
BT211412	Rakesh S. Jambagi	Mass Spectroscopy	R S J...
BT211413	Rani J. Patil	Osmosis & Difusion	Rpatil
BT211414	Sandhya S. Kambar	Sex determination in plant	SSK.
BT211415	Shweta J. Tirth	Atoms, bonds & molecules	Stirth
BT211416	Siffa A. Allan	Structure of tRNA	SAAllan
BT211417	Simran Patil	Multiple Allels	Spatil
BT211418	Soujanya Pattar	Male sterility in plants	Spattar
BT211419	Sudharani Sanadi	NMR	Ssanadi

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BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
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POST GRADUATE DEPARTMENT OF BOTANY

TIME TABLE for the Seminar Presentation of M.Sc. IV Semester: JULY2022

Name of the student representing the seminar

1) Vinaya Gharabudi.
2) VINOD S KURI
3) Vijaykumar. Belakoppad
4)
5)

Sr.no	Name of the Student	Date and time	Sign
1	AshwiniKakamari	30/07/2022	
2	DhanashriHiremath		
3	MadhuriBhivase		
4	MasumPanwale		
5	MeghaParamashetti		
6	PallaviThorushe		
7	RohiniTharapatti		
8	RutujaPatil		
9	Shahida Desai		
10	ShukrataZhunjarawade		
11	SoumyaShedbale		
12	Swati Tawadare		
13	VaniMunnoli		
14	VarshaKagawade		
15	VarshaKaragar		
16	VinayaGharabude		
17	Vinodkuri		
18	Vijay Belakoppad		

Time duration: 10 min for each presentation

Faculty sign

1)
2)

RANI CHANNAMA UNIVERSITY

K. L. E. SOCIETY'S
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI – 591201
A+ CGP 3.42 fourth cycle

POST GRADUATE DEPARTMENT OF BOTANY

TIME TABLE for the Seminar Presentation of M.Sc. IV Semester: JULY2022

Name of the student representing the seminar

1) Vani, M, Munnoli
2) Vijaya Gharabude
3) Varsha. Karagar.
4) Varsha Kagawad
5) Swati M. Tawadare
6) Ashwini S Kakamari

Sr.no	Name of the Student	Date and time	Sign
1	AshwiniKakamari	29/07/2022	
2	DhanashriHiremath		
3	MadhuriBhivase		
4	MasumPanwale		
5	MeghaParamashetti		
6	PallaviThorushe		
7	RohiniTharapatti		
8	RutujaPatil		
9	Shahida Desai		
10	ShukrataZhunjarawade		
11	SoumyaShedbale		
12	Swati Tawadare		
13	VaniMunnoli		
14	VarshaKagawade		
15	VarshaKaragar		
16	VinayaGharabude		
17	Vinodkuri		
18	Vijay Belakoppad		

Time duration: 10 min for each presentation

Faculty sign
1)
2)

RANI CHANNAMA UNIVERSITY

K. L. E. SOCIETY'S
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI – 591201
A+ CGP 3.42 fourth cycle

POST GRADUATE DEPARTMENT OF BOTANY

TIME TABLE for the Seminar Presentation of M.Sc. IV Semester: JULY2022

Name of the student representing the seminar

1. DhanashriHiremath
2. MadhuriBhivase
3. MasumPanwale
4. MeghaParamashetti
5. PallaviThorushe

Sr.no	Name of the Student	Date and time	Sign
1	AshwiniKakamari	27/07/2022	
2	DhanashriHiremath		
3	MadhuriBhivase		
4	MasumPanwale		
5	MeghaParamashetti		
6	PallaviThorushe		
7	RohiniTharapatti		
8	RutujaPatil		
9	Shahida Desai		
10	ShukrataZhunjarawade		Absent
11	SoumyaShedbale		Absent
12	Swati Tawadare		Absent
13	VaniMunnoli		Absent
14	VarshaKagawade		
15	VarshaKaragar		
16	VinayaGharabude		
17	Vinodkuri		
18	Vijay Belakoppad		

Time duration: 10 min for each presentation

Faculty sign

1) Dr. A.L Veerabhadra Swamy
2) Dr. V. V. Kamble

RANI CHANNAMA UNIVERSITY

K. L. E. SOCIETY'S
BASAVAPRABHU KORE ARTS, SCIENCE AND COMMERCE
COLLEGE, CHIKODI – 591201
A+ CGP 3.42 fourth cycle

POST GRADUATE DEPARTMENT OF BOTANY

TIME TABLE for the Seminar Presentation of M.Sc. IV Semester: JULY2022

Name of the student representing the seminar

1) Rohini. Tharapatti
2) Rutuja Patil
3) Shahida D. Desai
4) Shukrata R. Zunjarawade
5) Soumya S. Shedbale

Sr.no	Name of the Student	Date and time	Sign
1	AshwiniKakamari	28/07/2022	
2	DhanashriHiremath		
3	MadhuriBhivase		
4	MasumPanwale		
5	MeghaParamashetti		
6	PallaviThorushe		
7	RohiniTharapatti		
8	RutujaPatil		
9	Shahida Desai		
10	ShukrataZhunjarawade		
11	SoumyaShedbale		
12	Swati Tawadare		
13	VaniMunnoli		Absent
14	VarshaKagawade		
15	VarshaKaragar		
16	VinayaGharabude		
17	Vinodkuri		
18	Vijay Belakoppad		

Time duration: 10 min for each presentation

Faculty sign

1) Dr. A. L. Veerabhadra Swamy
2) Dr. Vidya Viswas Kamble

ENERGY FLOW IN ECOSYSTEM

Presented by

Name: Ashwini S Kakamari

Reg.no:BT201401

Class:MSc 4th sem

CONTENT

- Concept of energy in ecosystem.
- Components of energy flow in ecosystem.
- Ecological energetics.
- Concept of Law of Thermodynamics.
- Interconnection among organisms.
- Representation of energy flow in ecosystem.
- Conclusion.

COMPONENTS OF THE ENERGY FLOW IN ECOSYSTEM

- Sun- The energy used for all plant life processes is derived from solar radiations and all animals are further dependent on plant. About 34% of the sunlight reacting the Earths atmosphere is reflected back , 10% is held by ozone layer, water vapour and other atmospheric gases. The rest 56% reaches the earth surface and out of that only 2 to 10% is used by plants and the remaining is absorbed as heat by water or ground.

- Producers – The green plants in the ecosystem-terminology are called producers. In terrestrial ecosystem major producers are herbaceous and woody plants. Likewise, primary producers in an aquatic ecosystem are various species like phytoplankton, algae and higher plants.

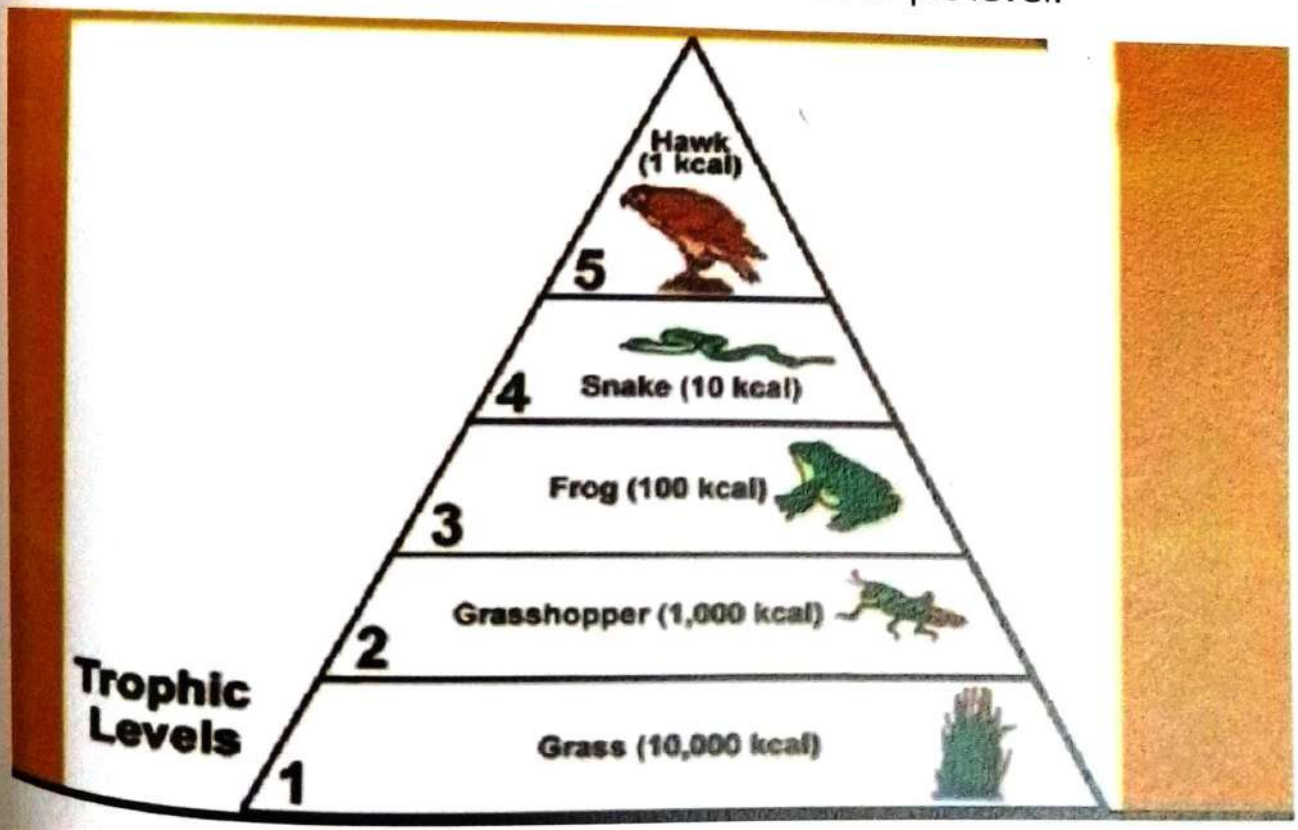
REPRESENTATION OF ENERGY FLOW IN ECOSYSTEM

- Tropic level – Organisms occupy a place in the natural surroundings or in a community according to their feeding relationship with other organisms .Based on the source of their nutrition or food, organisms occupy a specific place in the food chain that is known as their tropic level .A given organism may occupy more than one tropic level simultaneously.

- Organisms at each tropic level depend on those at the lower tropic level for their energy demands.

- Standing crop – Each tropic level has a certain mass of living material at a particular time called as the standing crop. It is measured as the biomass of an organism or their number in a unit area.

- Pyramid of energy – Any calculations of energy content, biomass, or numbers has to include all organisms at that tropic level.



CONCLUSION

- An ecosystem is a functional unit with energy flowing among its abiotic components very efficiently.
- Energy flow in an ecosystem is always unidirectional.
- Energy in an ecosystem is never destroyed but it is converted from one form to another.
- Only 10% of energy is passed to the successive tropic level.
- Sun is the ultimate source of energy.
- Plants play a vital role in converting the solar energy to the chemical energy, making the sun energy available to organisms at higher tropic levels.
- If any of the link in a food chain or food web (interconnected food chains) is removed efficient energy flow will not occur.

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PG DEPARTMENT OF COMMERCE

STUDENT SEMINAR DETAILS 2021-22

Class: M.Com III sem **Subject:** International Financial Management

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	08	Parvati Immadi	Compound Financial Instrument	19/01/2022	22
2	17	Tabassum Shaikh	Arbitrage Process	08/02/2022	22
3	18	Tejshwini Kagale	Internal Lease	01/02/2022	22
4	19	Ubedulla Bagwale	Euro Market	08/02/2022	22
5	20	Vandana Khot	Sources of Finance for International Market	08/02/2022	22
6	21	Varsha Patil	International Working Capital Management	28/01/2022	22
7	22	Vishwanath Duggani	Interest Rate Swap	12/01/2022	21

ABSTRACT
Class seminars are conducted on **05** days.
Total of **07** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com III Sem **Subject:** Financial Reporting Standards

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	03	Bibibatul Desai	Merchant Banking	12/02/2022	21
2	04	Daneshwari Neelkanthanavar	Stock Market Intermediaries	29/01/2022	22
3	05	Jyoti A. Kanade	Commodity Market Intermediaries	29/01/2022	22
4	06	Madhu Jadhav	Financial Reporting by NBFC's	19/01/2022	22
5	07	Nikita Jadhav	Recognition and derecognition of Financial Instrument	05/02/2022	22
6	09	Pranali Patil	Hedge Accounting	01/02/2022	22

ABSTRACT
Class seminars are conducted on **05** days.
Total of **06** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com III Sem **Subject:** Soft Skills for Employability

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	12	Savita S. Padadalli	Career option as an Employment	04/02/2022	19
2	17	Tabassum A. Shaikh	Problems on Data Interpretation	31/01/2022	20
3	22	Vishwanath Duggani	Types of Interview	31/12/2021	22

ABSTRACT
Class seminars are conducted on **03** days.
Total of **03** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com III Sem **Subject:** Financial Derivatives

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	5	Jyoti A. Kanade	Difference Between Forward and Future Contracts	30/12/2021	22
2	8	Parvati B. Immadi	Types of Derivatives	30/12/2021	22

ABSTRACT
Class seminars are conducted on **01** day.
Total of **02** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com I Sem **Subject:** Stock Market Operations

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	1	Abhishek B. Naik	International Securities Identification Number	21/02/2022	18
2	3	Bharati S. Dattawade	Functions of Financial Market	12/03/2022	15
3	6	Mahesh S. Bhavi	SEBI Act 1992	08/03/2022	18
4	7	Parshwanath P. Jayagond	Share Market vs Mutual Fund	24/02/2022	20
5	9	Rekha Khot	Intermediaries in New Issue	12/03/2022	15
6	10	Sahil Jamadar	Bombay Stock Exchange	12/03/2022	15
7	15	Soumya B. Kumbar	Methods of Issuing Securities in Primary Market	26/02/2022	19
8	20	Vikas B. Gudase	Functions of Primary Market	08/03/2022	18

ABSTRACT
Class seminars are conducted on **05** days.
Total of **08** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com I Sem **Subject:** Advanced Marketing Management

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	2	Archana R. Bhosale	Nature of Marketing	03/03/2022	18
2	4	Dipika G. Jhutale	7 C's of Marketing	28/02/2022	20
3	5	Kaveri Bekkeri	Product Classification	12/03/2022	16
4	8	Pooja Bhosale	7 P's of Marketing	21/02/2022	19
5	10	Sahil Jamadar	Customer Relationship Management	22/02/2022	20
6	11	Sangeeta S. Tukanatti	Macro Environment	12/03/2022	15
7	13	Shubhangi S. Naik	Scope of Marketing	22/02/2022	20
8	16	Sujata R. Horatti	Ethical Issues in Product	12/03/2022	16
9	17	Swati B. Jatagouda	Functions of Marketing	22/02/2022	20
10	19	Ujwala M. Khot	Levels of Product	03/03/2022	18

ABSTRACT
Class seminars are conducted on **05** days.
Total of **10** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com IV Sem **Subject:** Information Technology for Business

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	04	Daneshwari Neelkanthanavar	Basis of Internet	12/07/2022	22
2	05	Jyoti A. Kanade	Types of Computer Network	15/07/2022	19
3	16	Snehal Dhang	Business Intelligence	30/08/2022	21
4	22	Vishwanath Duggani	Cloud Computing	25/07/2022	21

ABSTRACT
Class seminars are conducted on **04** days.
Total of **04** Students presented papers on the topics of their choice

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STUDENT SEMINAR DETAILS 2021-22

Class: M.Com IV Sem **Subject:** Business Ethics & Corporate Governance

Sl. No.	Roll No.	Name of the Student	Title of the Paper	Date	No. of Students Present
1	06	Madhu Jadhav	Scam 1992	19/08/2022	19
2	13	Shabhavi Mane	Ethics in IT	01/09/2022	22
3	19	Ubedulla Bagwale	Nirav Modi Scam	23/08/2022	20
4	20	Vandana Khot	Models of Corporate Governance	20/08/2022	15

ABSTRACT
Class seminars are conducted on **04** days.
Total of **04** Students presented papers on the topics of their choice

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ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಕ್ರಮಾಂಕ: ಇಡಿ 466 ಯುಆರ್‌ಸಿ 2015

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ,
ಬಹುಮಹಡಿ ಕಟ್ಟಡ,
ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 16-11-2015.

ಇಂದ
ಸರ್ಕಾರದ ಅಪರ ಮುಖ್ಯ ಕಾರ್ಯದರ್ಶಿ,
ಉನ್ನತ ಶಿಕ್ಷಣ ಇಲಾಖೆ,
ಬೆಂಗಳೂರು - 560001.

ಇವರಿಗೆ
ಕುಲಸಚಿವರು,
ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾನಿಲಯ, ಬೆಳಗಾವಿ.

ಮಾನ್ಯರೆ,

ವಿಷಯ:- 2015-16ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಕೆ.ಎಲ್.ಇ. ಸಂಸ್ಥೆಯ, ಬಸವಪ್ರಭು ಕೋರೆ, ಕಲಾ, ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ- 591201-ಈ ಮಹಾವಿದ್ಯಾಲಯದ ಬಿ.ಎ, ಬಿ.ಕಾಂ. ಹಾಗೂ ಬಿ.ಎಸ್ಸಿ. ಕೋರ್ಸುಗಳಿಗೆ ಶಾಶ್ವತ ಸಂಯೋಜನೆ ನೀಡುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ:- ತಮ್ಮ ಪತ್ರ ಸಂಖ್ಯೆ: ರಾಚವಿ/ಬೆಳಗಾವಿ/ಸಿಡಿಸಿ.ವಿಭಾಗ/2014-15/6966/2, ದಿನಾಂಕ 28.03.2014.

2015-16ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ, ಕೆ.ಎಲ್.ಇ. ಸಂಸ್ಥೆಯ, ಬಸವಪ್ರಭು ಕೋರೆ, ಕಲಾ, ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ- 591201-ಈ ಮಹಾವಿದ್ಯಾಲಯದ ಬಿ.ಎ, ಬಿ.ಕಾಂ. ಹಾಗೂ ಬಿ.ಎಸ್ಸಿ. ಕೋರ್ಸುಗಳಿಗೆ ಶಾಶ್ವತ ಸಂಯೋಜನೆಯನ್ನು ಕೋರಿ ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸಿದ ಅರ್ಜಿಯನ್ನು ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ಅನುಮೋದನೆಯನ್ನು ಕಾಯ್ದಿರಿಸಿ, ಕುಲಾಧಿಪತಿಗಳ ಅನುಮೋದನ ಪಡೆದು ಸಲ್ಲಿಸಿರುವ ವರದ, ಸ್ಥಳೀಯ ವಿಚಾರಣಾ ಸಮಿತಿಯ ವರದಿ ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಮಾಡಿರುವ ಶಿಫಾರಸ್ಸನ್ನು ಆಧರಿಸಿ ಸಂವೀಕ್ಷಿಸಲಾಗಿದೆ.

ಕೋರ್ಸ್	ಭಾಷಾ ವಿಷಯ	ಐಚ್ಛಿಕ ವಿಷಯ	ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣ
ಬಿ.ಎ	ಕನ್ನಡ, ಇಂಗ್ಲಿಷ್, ಹಿಂದಿ, ಮರಾಠಿ, ಉರ್ದು, ಹೆ. ಇಂಗ್ಲಿಷ್	ಕನ್ನಡ, ಅರ್ಥಶಾಸ್ತ್ರ, ಸಮಾಜಶಾಸ್ತ್ರ, ರಾಜ್ಯಶಾಸ್ತ್ರ, ಹಿಂದಿ, ಇತಿಹಾಸ, ಮರಾಠಿ, ಉರ್ದು, ಅಪ್ಲಾಯ್ಡ ಸ್ಟ್ಯಾಟಿಸ್ಟಿಕ್ಸ್	360
ಬಿ.ಕಾಂ.	ಕನ್ನಡ, ಇಂಗ್ಲಿಷ್, ಹಿಂದಿ, ಮರಾಠಿ, ಉರ್ದು, ಹೆ. ಇಂಗ್ಲಿಷ್	ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪಠ್ಯಕ್ರಮದಂತೆ ಕಡ್ಡಾಯ ವಿಷಯಗಳು	240
ಬಿ.ಎಸ್ಸಿ.	ಕನ್ನಡ, ಇಂಗ್ಲಿಷ್, ಹಿಂದಿ, ಮರಾಠಿ, ಉರ್ದು, ಹೆ. ಇಂಗ್ಲಿಷ್,	ಭೌತಶಾಸ್ತ್ರ, ರಸಾಯನಶಾಸ್ತ್ರ, ಗಣಿತ, ಸಸ್ಯಶಾಸ್ತ್ರ	240

2) ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಅಧಿನಿಯಮ 2000ದ 62(1) ರಡಿ ಪ್ರದತ್ತವಾದ ಅಧಿಕಾರವನ್ನು ಚಲಾಯಿಸಿ, 2015-16ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಕೆ.ಎಲ್.ಇ. ಸಂಸ್ಥೆಯ, ಬಸವಪ್ರಭು ಕೋರೆ, ಕಲಾ, ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ- 591201-ಈ ಮಹಾವಿದ್ಯಾಲಯದ ಬಿ.ಎ, ಬಿ.ಕಾಂ. ಹಾಗೂ ಬಿ.ಎಸ್ಸಿ ಐದು ವರ್ಷಗಳಿಗೆ ಶಾಶ್ವತ ಸಂಯೋಜನೆಯನ್ನು ಈ ಕೆಳಕಂಡ ಷರತ್ತುಗಳಿಗೊಳಪಟ್ಟು ಮುಂದುವರೆಸುವಂತೆ ಶಿಫಾರಸ್ಸು ಮಾಡಲು ನಾನು ನಿರ್ದೇಶಿತನಾಗಿದ್ದೇನೆ.

ಷರತ್ತುಗಳು:-

1) ಕಾಲೇಜುಗಳಿಗೆ ಅನ್ವಯವಾಗುವ ಅನುದಾನ ಸಂಹಿತೆಯಲ್ಲಿ ಯಾವುದೇ ಉಪಬಂಧಗಳಿದ್ದರೂ ಕಾಲೇಜಿನ

[illegible] ಸರ್ಕಾರದ ಯಾವುದೇ ಅನುದಾನವನ್ನು ಪಡೆಯುವುದಿಲ್ಲ. ಆದು[illegible]
[illegible] ಅನುಮತಿಸಿದ ಕೋರ್ಸ್‌ಗಳು ಪ್ರಾರಂಭಿಸತಕ್ಕದ್ದು;
3) ಸದರಿ ಕಾಲೇಜು ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಗಳು-ಉಪಬಂಧಗಳನ್ನು ಪಚ್ಚದೇ ಪಾಲಿಸತಕ್ಕದ್ದು;
4) ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣಕ್ಕಿಂತ ಹೆಚ್ಚುಪಟಯಾಗಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶ ಮಾಡತಕ್ಕದ್ದಲ್ಲ;
5) ಸಂಯುಕ್ತಾಯುವ ಸರ್ಕಾರದ ನಿಯಮಾವಳಿ, ಆದೇಶಗಳು ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅನುಕಾಸನ, [illegible] ಇತ್ಯಾದಿಗಳನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು;
6) [illegible] ನಿಧಿ ನಿಧಿಸುವ ಪ್ರತಿಯೊಂದು ಷರತ್ತನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು.
7) [illegible]/ಆಡಳಿತ ಮಂಡಳಿಯು ಶೇ.50 ರಷ್ಟು ವಿಶ್ವವಿದ್ಯಾಲಯ ಕೋಟಾವನ್ನು (ಎಲ್ಲಿ [illegible] ಇದ್ದಲ್ಲಿ) ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಯ ಪ್ರಕಾರ ನಿಗದಿಪಡಿಸತಕ್ಕದ್ದು; ಮತ್ತು [illegible] ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸುವ ಶುಲ್ಕವನ್ನು ಮಾತ್ರ ವಸೂಲು ಮಾಡತಕ್ಕದ್ದು. ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸಿದ ಶುಲ್ಕ/ಮೊತ್ತಕ್ಕಿಂತ ಬೇರೆ ಹೆಚ್ಚಿನ ಮೊತ್ತವನ್ನು ವಸೂಲು ಮಾಡತಕ್ಕದ್ದಲ್ಲ.
8) [illegible] 13-8-1997 ರಂದು ಪ್ರಮತಿ v/s ರಾಜಸ್ಥಾನ ಸರ್ಕಾರ ಮೊಕದ್ದಮ್ಮೆಯಲ್ಲಿ ಸುಪ್ರೀಂ ಕೋರ್ಟು ನೀಡಿರುವ ತೀರ್ಪಿನನುಸಾರ ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿಯು ಗಲಭೆಯನ್ನು ಉಂಟು ಮಾಡುವುದಾಗಲೀ ಅಥವಾ ಕಾಲೇಜಿನಲ್ಲಿ ಮಹಿಳೆಯರ ಮೇಲೆ ಲೈಂಗಿಕ ಕಿರುಕುಳ ನೀಡಿದಲ್ಲಿ ಅದು ಸಂಜ್ಞೇಯ ಅಪರಾಧ (Cognizable Offence) ಎಂದು ಪರಿಗಣಿಸಿ, ಈ ತರಹದ ಚಟುವಟಿಕೆಗಳಲ್ಲಿ ತೊಡಗಿದ ವಿದ್ಯಾರ್ಥಿ/ವಿದ್ಯಾರ್ಥಿನಿಯ ಪ್ರವೇಶವನ್ನು ರದ್ದುಪಡಿಸುವುದು; ಮತ್ತು ಆ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿಯ ಮೇಲೆ ಕಾನೂನು ರೀತ್ಯಾ ಕ್ರಮ ಜರುಗಿಸತಕ್ಕದ್ದು; ಮುಂದುವರಿದು, ಕಾಲೇಜು/ಆಡಳಿತ ಮಂಡಳಿಯು ಸುಪ್ರೀಂ ಕೋರ್ಟಿನ ಆದೇಶವನ್ವಯ ಒಂದು ಪೂರು ಸಮಿತಿಯನ್ನು ರಚಿಸಿ; ಇಂತಹ ಚಟುವಟಿಕೆಗಳನ್ನು ನಿಯಂತ್ರಿಸಲು ಕ್ರಮ ಜರುಗಿಸತಕ್ಕದ್ದು;
9) ಕಾಲೇಜು ವಿದ್ಯಾರ್ಥಿಗಳ ಬೆಳವಣಿಗೆಗಾಗಿ ಉತ್ತಮ ಕೋರ್ಸನ್ನು ನಡೆಸತಕ್ಕದ್ದು; ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲರು/ಆಡಳಿತ ಮಂಡಲಿಯು ವಿದ್ಯಾರ್ಥಿ/ಬೋಧಕ ವೃಂದವನ್ನು ಸೌಹಾರ್ದಯುತವಾಗಿ ಕಾಣತಕ್ಕದ್ದು;
10) ಕಾಲೇಜಿನ ಆಡಳಿತ ಮಂಡಳಿಯ ಯಾವುದೇ ವಿದ್ಯಾರ್ಥಿಯ ಅಂಕಪಟ್ಟಿ ಅಥವಾ ಇತರೆ ದಾಖಲಾತಿಗಳನ್ನು ಸದರಿ ವಿದ್ಯಾರ್ಥಿಯ ಪ್ರವೇಶವನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯವು ಅನುಮೋದಿಸುವವರೆಗೆ ಅಥವಾ 6 ತಿಂಗಳ ಅವಧಿಗೆ ಮೀರಿ, ಇವೆರಡರಲ್ಲಿ ಯಾವುದು ಮೊದಲೋ ಅಲ್ಲಿಯವರೆಗೆ ಅನಗತ್ಯವಾಗಿ ತಡೆಹಿಡಿಯತಕ್ಕದ್ದಲ್ಲ;
11) ಕಾಲೇಜಿನ ಆಡಳಿತ ಮಂಡಳಿಯ ಯಾವುದೇ ವಿದ್ಯಾರ್ಥಿಯು ವರ್ಗಾವಣೆ ಪ್ರಮಾಣ ಪತ್ರ ಬೇಕೆಂದು ಅಪೇಕ್ಷಿಸಿ ಅರ್ಜಿ ಸಲ್ಲಿಸಿದಲ್ಲಿ, ಅದನ್ನು ವಿತರಿಸುವಾಗ ವಿದ್ಯಾರ್ಥಿಗೆ ತೊಂದರೆ ನೀಡತಕ್ಕದ್ದಲ್ಲ; ಹಾಗೂ ಅವರಿಂದ ಬಾಕಿ ಉಳಿದಿರುವ ಶೈಕ್ಷಣಿಕ ವರ್ಷ/ಸೆಮಿಸ್ಟರ್ ಅವಧಿಗೆ ಮಾತ್ರ ಬೋಧಕ ಶುಲ್ಕವನ್ನು ಪಡೆಯತಕ್ಕದ್ದು ಹಾಗೂ ಬೇರೆ ಯಾವುದೇ ಮೊತ್ತವನ್ನು ಪಡೆಯತಕ್ಕದ್ದಲ್ಲ.
12) ಕ್ಯಾಪಿಟೇಪನ್ ಶುಲ್ಕವನ್ನು ಯಾವುದೇ ರೂಪದಲ್ಲೂ ಪಡೆಯತಕ್ಕದ್ದಲ್ಲ.
13) ಪ್ರವೇಶಾತಿಯಲ್ಲಿ ರೋಸ್ಟರ್ ಪದ್ಧತಿಯನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸತಕ್ಕದ್ದು.

ತಮ್ಮ ನಂಬುಗೆಯ,

(ಕೆ.ಎಲ್. ಸುಬ್ರಮಣ್ಯ)
ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ
ಉನ್ನತ ಶಿಕ್ಷಣ ಇಲಾಖೆ (ವಿಶ್ವವಿದ್ಯಾಲಯ-2).

ಪ್ರತಿ:-

1. ಕಾಲೇಜು ಶಿಕ್ಷಣ ಆಯುಕ್ತರು/ನಿರ್ದೇಶಕರು, ಬೆಂಗಳೂರು – 560 001.
2. ಪ್ರಾದೇಶಿಕ ಜಂಟಿ ನಿರ್ದೇಶಕರು, ಕಾಲೇಜು ಶಿಕ್ಷಣ ಇಲಾಖೆ, ಧಾರವಾಡ.
3. ಕಾರ್ಯದರ್ಶಿ/ಪ್ರಾಂಶುಪಾಲರು ಕೆ.ಎಲ್.ಇ. ಸಂಸ್ಥೆಯ, ಬಸವಪ್ರಭು ಕೋರೆ, ಕಲಾ, ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ಬೆಳಗಾವಿ ಜಿಲ್ಲೆ- 591201.

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ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಕ್ರಮಾಂಕ: ಇಡಿ 228 ಯುಆರ್‌ಸಿ 2018

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ,
ಬಹುಮಹಡಿ ಕಟ್ಟಡ,
ಬೆಂಗಳೂರು, ದಿನಾಂಕ: 06–07–2018

ಇಂದ
ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿ,
ಶಿಕ್ಷಣ ಇಲಾಖೆ (ಉನ್ನತ ಶಿಕ್ಷಣ), ಬೆಂಗಳೂರು – 560001.

ಇವರಿಗೆ
ಕುಲಸಚಿವರು,
ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ,
ಬೆಳಗಾವಿ.

ಮಾನ್ಯರೆ,

ವಿಷಯ:– 2018–19 ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ತಾಲ್ಲೂಕ್ ಮತ್ತು ಅಂಚೆ–591201, ಬೆಳಗಾವಿ, ಜಿಲ್ಲೆ – ಇಲ್ಲಿ ಅಸ್ತಿತ್ವದಲ್ಲಿರುವ ಕೋರ್ಸಿನಲ್ಲಿ ಹೊಸ ಐಚ್ಚಿಕ ವಿಷಯ ಸೇರಿಸಲು ಸಂಯೋಜನೆ ನೀಡುವ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ:– ತಮ್ಮ ಪತ್ರ ಸಂಖ್ಯೆ:ರಾಚವಿವಿಬೆ/ಕುಸಕಾ/2017–18/6032/1, ದಿನಾಂಕ: 31.3.2018.

2018–19ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ,ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ತಾಲ್ಲೂಕ್ ಮತ್ತು ಅಂಚೆ–591201, ಬೆಳಗಾವಿ, ಜಿಲ್ಲೆ – ಇಲ್ಲಿ ಅಸ್ತಿತ್ವದಲ್ಲಿರುವ ಬಿ.ಎ. ಕೋರ್ಸಿನಲ್ಲಿ ಹೊಸದಾಗಿ ಐಚ್ಚಿಕ ವಿಷಯ ಪ್ರಾರಂಭಿಸಲು ಸಂಯೋಜನೆ ಕೋರಿ ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಸಲ್ಲಿಸಿದ ಅರ್ಜಿಯನ್ನು ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸ್ಥಳೀಯ ವಿಚಾರಣಾ ಸಮಿತಿಯ ವರದಿ ಮತ್ತು ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್‌ನ ಸಮಾಲೋಚನೆಯೊಂದಿಗೆ ಸಿಂಡಿಕೇಟ್ ಮಾಡಿರುವ ಶಿಫಾರಸ್ಸನ್ನು ಆಧರಿಸಿ ಸಂವೀಕ್ಷಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಅಧಿನಿಯಮ 2000ದ 59 ನೇ ಪ್ರಕರಣದ (11) ನೇ ಉಪಪ್ರಕರಣದಡಿ ಪ್ರದತ್ತವಾದ ಅಧಿಕಾರವನ್ನು ಚಲಾಯಿಸಿ, 2018–19 ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ,ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ತಾಲ್ಲೂಕ್ ಮತ್ತು ಅಂಚೆ–591201, ಬೆಳಗಾವಿ, ಜಿಲ್ಲೆ – ಇಲ್ಲಿ ಅಸ್ತಿತ್ವದಲ್ಲಿರುವ ಬಿ.ಎ ಕೋರ್ಸಿನಲ್ಲಿ ಈ ಕೆಳಕಂಡಂತೆ ಹೊಸ ಐಚ್ಚಿಕ ವಿಷಯಗಳನ್ನು ಪ್ರಾರಂಭಿಸಲು ಸಂಯೋಜನೆಯನ್ನು ಈ ಕೆಳಕಂಡ ಷರತ್ತುಗಳಿಗೊಳಪಟ್ಟು ಮಂಜೂರು ಮಾಡುವಂತೆ ಸರ್ಕಾರದ ಶಿಫಾರಸ್ಸನ್ನು ತಿಳಿಸಲು ನಾನು ನಿರ್ದೇಶಿತನಾಗಿದ್ದೇನೆ.

ಕೋರ್ಸು	ಮೂಲ ವಿಷಯ ಮತ್ತು ಪ್ರವೇಶ ಮಿತಿ	ಐಚ್ಚಿಕ ವಿಷಯ ಮತ್ತು ಪ್ರವೇಶ ಮಿತಿ	
ಬಿ.ಎ.	–	ಇಂಗ್ಲೀಷ್ – ರಾಜ್ಯಶಾಸ್ತ್ರ – ಪತ್ರಿಕೋದ್ಯಮ	40

ಷರತ್ತುಗಳು:–

1) ಕಾಲೇಜುಗಳಿಗೆ ಅನ್ವಯವಾಗುವ ಅನುದಾನ ಸಂಹಿತೆಯಲ್ಲಿ ಯಾವುದೇ ಉಪಬಂಧಗಳಿದ್ದರೂ ಕಾಲೇಜಿನ ಮೇಲ್ಕಂಡ ಕೋರ್ಸಿಗೆ ಸರ್ಕಾರವು ಯಾವುದೇ ಅನುದಾನವನ್ನು ಮಂಜೂರು ಮಾಡುವುದಿಲ್ಲ. ಅದನ್ನು ಶಾಶ್ವತ ಅನುದಾನರಹಿತ ಕೋರ್ಸೆಂದು ಪರಿಗಣಿಸತಕ್ಕದ್ದು.
2) ಮೇಲ್ಕಂಡ ಕಾಲೇಜು ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಗಳ ಉಪಬಂಧಗಳನ್ನು ತಪ್ಪದೇ ಪಾಲಿಸತಕ್ಕದ್ದು;
3) ನಿಗದಿತ ವಿದ್ಯಾರ್ಥಿ ಪ್ರಮಾಣಕ್ಕಿಂತ ಹೆಚ್ಚುವರಿಯಾಗಿ ವಿದ್ಯಾರ್ಥಿಗಳ ಪ್ರವೇಶ ಮಾಡತಕ್ಕದ್ದಲ್ಲ;
4) ಜಾರಿಯಲ್ಲಿರುವ ಸರ್ಕಾರದ ನಿಯಮಾವಳಿ, ಆದೇಶಗಳು ಹಾಗೂ ವಿಶ್ವವಿದ್ಯಾಲಯದ ಅನುಶಾಸನ, ಪರಿನಿಯಮಾವಳಿ ಇತ್ಯಾದಿಗಳನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು.
5) ಸ್ಥಳೀಯ ವಿಚಾರಣಾ ಸಮಿತಿ ವಿಧಿಸಿರುವ ಪ್ರತಿಯೊಂದು ಷರತ್ತನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸಬೇಕು.

6) ಕಾಲೇಜು/ಆಡಳಿತ ಮಂಡಳಿಯು ಶೇ.50 ರಷ್ಟು ವಿಶ್ವವಿದ್ಯಾಲಯ ಕೋಟಾವನ್ನು (ಎಲ್ಲಿ ಅನ್ವಯವಾಗುತ್ತದೆಯೋ ಅಲ್ಲಿ) ವಿಶ್ವವಿದ್ಯಾಲಯದ ನಿಯಮಾವಳಿಯ ಪ್ರಕಾರ ನಿಗದಿಪಡಿಸತಕ್ಕದ್ದು; ಮತ್ತು ಕಾಲಕಾಲಕ್ಕೆ ವಿಶ್ವವಿದ್ಯಾಲಯವು ನಿಗದಿಪಡಿಸುವ ಶುಲ್ಕವನ್ನು ಮಾತ್ರ ವಸೂಲು ಮಾಡತಕ್ಕದ್ದು, ವಿಶ್ವವಿದ್ಯಾಲಯವು, ನಿಗದಿಪಡಿಸಿದ ಶುಲ್ಕ/ಮೊತ್ತಕ್ಕಿಂತ ಬೇರೆ ಹೆಚ್ಚಿನ ಮೊತ್ತವನ್ನು ವಸೂಲು ಮಾಡತಕ್ಕದ್ದಲ್ಲ.

7) ದಿನಾಂಕ: 13-8-1997 ರಂದು ವಿಶಾಖ .V/S ರಾಜಸ್ತಾನ ಸರ್ಕಾರ ಮೊಕದ್ದಮೆಯಲ್ಲಿ ಸುಪ್ರೀಂ ಕೋರ್ಟು ನೀಡಿರುವ ತೀರ್ಪಿನನುಸಾರ ಯಾವುದೇ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿಯು ಗಲಭೆಯನ್ನು ಉಂಟು ಮಾಡುವುದಾಗಲಿ ಅಥವಾ ಕಾಲೇಜಿನಲ್ಲಿ ಮಹಿಳೆಯರ ಮೇಲೆ ಲೈಂಗಿಕ ಕಿರುಕುಳ ನೀಡಿದಲ್ಲಿ ಅದು ಸಂಜ್ಞೇಯ ಅಪರಾಧ (Cognizable Offence) ಎಂದು ಪರಿಗಣಿಸಿ, ಈ ತರಹದ ಚಟುವಟಿಕೆಗಳಲ್ಲಿ ತೊಡಗಿದ ವಿದ್ಯಾರ್ಥಿ/ವ್ಯಕ್ತಿಯ ಪ್ರವೇಶವನ್ನು ರದ್ದುಪಡಿಸುವುದು; ಮತ್ತು ಆ ವ್ಯಕ್ತಿ/ವಿದ್ಯಾರ್ಥಿಯ ಮೇಲೆ ಕಾನೂನು ರೀತ್ಯಾ ಕ್ರಮ ಜರುಗಿಸತಕ್ಕದ್ದು; ಮುಂದುವರೆದು, ಕಾಲೇಜು/ಆಡಳಿತ ಮಂಡಳಿಯು ಸುಪ್ರೀಂ ಕೋರ್ಟಿನ ಆದೇಶದನ್ವಯ ಒಂದು ದೂರು ಸಮಿತಿಯನ್ನು ರಚಿಸಿ; ಇಂತಹ ಚಟುವಟಿಕೆಗಳನ್ನು ನಿಯಂತ್ರಿಸಲು ಕ್ರಮ ಜರುಗಿಸತಕ್ಕದ್ದು;

8) ಕಾಲೇಜು ವಿದ್ಯಾರ್ಥಿಗಳ ಬೆಳವಣಿಗೆಗಾಗಿ ಉತ್ತಮ ಕೋರ್ಸನ್ನು ನಡೆಸತಕ್ಕದ್ದು; ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲರು/ ಆಡಳಿತ ಮಂಡಳಿಯು ವಿದ್ಯಾರ್ಥಿ/ಬೋಧಕ ವೃಂದವನ್ನು ಸೌಹಾರ್ದಯುತವಾಗಿ ಕಾಣತಕ್ಕದ್ದು;

9) ಕಾಲೇಜಿನ ಆಡಳಿತ ಮಂಡಳಿಯ ಯಾವುದೇ ವಿದ್ಯಾರ್ಥಿಯ ಅಂಕಪಟ್ಟಿ ಅಥವಾ ಇತರೆ ದಾಖಲಾತಿಗಳನ್ನು ಸದರಿ ವಿದ್ಯಾರ್ಥಿಯ ಪ್ರವೇಶವನ್ನು ವಿಶ್ವವಿದ್ಯಾಲಯವು ಅನುಮೋದಿಸುವವರೆಗೆ ಅಥವಾ 6 ತಿಂಗಳ ಅವಧಿಗೆ ಮೀರಿ, ಇವೆರಡರಲ್ಲಿ ಯಾವುದು ಮೊದಲೋ ಅಲ್ಲಿಯವರೆಗೆ ಅನಗತ್ಯವಾಗಿ ತಡೆಹಿಡಿಯತಕ್ಕದ್ದಲ್ಲ;

10) ಕಾಲೇಜಿನ ಆಡಳಿತ ಮಂಡಳಿಯ ಯಾವುದೇ ವಿದ್ಯಾರ್ಥಿಯು ವರ್ಗಾವಣೆ ಪ್ರಮಾಣ ಪತ್ರ ಬೇಕೆಂದು ಅಪೇಕ್ಷಿಸಿ ಅರ್ಜಿ ಸಲ್ಲಿಸಿದಲ್ಲಿ, ಅದನ್ನು ವಿತರಿಸುವಾಗ ವಿದ್ಯಾರ್ಥಿಗೆ ತೊಂದರೆ ನೀಡತಕ್ಕದ್ದಲ್ಲ; ಹಾಗೂ ಅವರಿಂದ ಬಾಕಿ ಉಳಿದಿರುವ ಶೈಕ್ಷಣಿಕ ವರ್ಷ/ಸೆಮಿಸ್ಟರ್ ಅವಧಿಗೆ ಮಾತ್ರ ಬೋಧಕ ಶುಲ್ಕವನ್ನು ಪಡೆಯತಕ್ಕದ್ದು ಹಾಗೂ ಬೇರೆ ಯಾವುದೇ ಮೊತ್ತವನ್ನು ಪಡೆಯತಕ್ಕದ್ದಲ್ಲ.

11) ಕ್ಯಾಪಿಟೇಷನ್ ಶುಲ್ಕವನ್ನು ಯಾವುದೇ ರೂಪದಲ್ಲೂ ಪಡೆಯತಕ್ಕದ್ದಲ್ಲ.

12) ಪ್ರವೇಶಾತಿಯಲ್ಲಿ ರೋಸ್ಟರ್ ಪದ್ಧತಿಯನ್ನು ಕಟ್ಟುನಿಟ್ಟಾಗಿ ಪಾಲಿಸತಕ್ಕದ್ದು.

ತಮ್ಮ ನಂಬುಗೆಯ,

06/07/18

(ಎಂ.ಎ. ಅಹಮದ್ ಜಾನ್)
ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿ,
ಶಿಕ್ಷಣ ಇಲಾಖೆ (ವಿಶ್ವವಿದ್ಯಾನಿಲಯಗಳು-2)

06/7/2018

ಪ್ರತಿ:-

1) ಕಾಲೇಜು ಶಿಕ್ಷಣ ಆಯುಕ್ತರು/ನಿರ್ದೇಶಕರು, ಬೆಂಗಳೂರು - 560001.
2) ಪ್ರಾದೇಶಿಕ ಜಂಟಿ ನಿರ್ದೇಶಕರು, ಕಾಲೇಜು ಶಿಕ್ಷಣ ಇಲಾಖೆ, ಧಾರವಾಡ.
3) ಪ್ರಾಂಶುಪಾಲರು, ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ,ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಚಿಕ್ಕೋಡಿ ತಾಲ್ಲೂಕ್ ಮತ್ತು ಅಂಚೆ-591201, ಬೆಳಗಾವಿ, ಜಿಲ್ಲೆ

IQAC Coordinator
KLE's Basavaprabhu Kore
Arts, Science and Commerce College
Chikodi - 591 201

PRINCIPAL
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ರಾಣಿಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ
ವಿದ್ಯಾಸಂಗಮ, ಪೂನಾ-ಬೆಂಗಳೂರು ರಾ.ಹೆ.-04,

RANICHANNAMMAUNIVERSITY
VidyaSangam, Poona-Bangalore N.H.-04
Bhutaramanahatti, Belagavi-591156

ಕಾಲೇಜು ಅಭಿವೃದ್ಧಿ ಮಂಡಳ ವಿಭಾಗ/ College Development Council
ದೂರವಾಣಿ ಸಂಖ್ಯೆ:0831-2565208/219, E-mail :directorcdcrcu@gmail.com, Website:www.rcub.ac.in

ಕ್ರಮ ಸಂಖ್ಯೆ:ರಾಚವಿ/ಬೆಳಗಾವಿ/ಸಿಡಿಸಿ ವಿಭಾಗ/2021-22/132

ದಿನಾಂಕ: 14 SEP 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that K. L. E. Society's Basavaprabhu Kore Arts, Science and Commerce College, Chikodi-Ankali Road, AP: Chikodi-591 201, TQ: Chikodi, DT: Belagavi, is affiliated to Rani Channamma University, Belagavi and recognized by the University Grants Commission and the following Courses/Subjects are taught in the said college as per approval.

SL No.	Name of the course with details and duration				Affiliation (Permanent/ Temporary)	Period of Validity for the year(s)
01.	Five Years B.A. Course					
	Basic Subjects with intake (Per Semester)		Optional Subjects with intake (Per Semester)			
	English, Kannada, Marathi, Hindi, additional English,	400	History-Economics-Political Science	50	Permanent	2020-21 to 2025-26
			History-Political Science-Kannada	40		
			Economics-Political Science-Hindi	40		
			History-Political Science-Hindi	40		
			History-Sociology-Kannada	40		
			History-Sociology- Political Science	50		
			History- Political Science-English	100	Temporary	2020-21
			English-Political Science-Journalism	40		
02.	Five Years B.Com. Course					
	English, Kannada, Marathi, Hindi, additional English,	240	Compulsory Subjects as per University Syllabus	240	Permanent	2020-21 to 2025-26
03	Five Years B.Sc. Course					
	English, Kannada, Marathi, Hindi, additional English,	240	Chemistry-Botany-Zoology	50	Permanent	2020-21 to 2025-26
			Physics-Chemistry-Mathematics	125		
			Physics-Mathematics-Computer Science	50	Temporary	2020-21
			Physics-Mathematics-Electronics	15		
04	Two Years M.Sc Botany (P. G)					
	Compulsory Subjects as per University Syllabus			20	Temporary	2020-21
05	Two Years M.Com (P. G)					
	Compulsory Subjects as per University Syllabus			30	Temporary	2020-21

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Arts, Science and Commerce College
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PRINCIPAL
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Arts, Science and Commerce College
CHIKODI - 591 201

REGISTRAR

ರಾಣಿ ಚನ್ನಮ್ಮ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿದ್ಯಾಸಂಗಮ, ರಾಷ್ಟ್ರೀಯ ಹೆದ್ದಾರಿ– 04, ಭೂತರಾಮನಹಟ್ಟಿ, ಬೆಳಗಾವಿ – 591156

(ನ್ಯಾಕ್ ಮಾನ್ಯತೆB+ ಗ್ರೇಡ್ – 2021)

RANI CHANNAMMA UNIVERSITY

Vidyasangama, National Highway – 04, Bhootaramanahatti, Belagavi – 591156

(NAAC Accredited with B+ Grade - 2021)

Website: cdc@rcub.ac.in ಕಾಲೇಜು ಅಭಿವೃದ್ಧಿ ಮಂಡಳಿ Phone No.: 0831-2565234

College Development Council

Ref. No.: RCU/Belagavi/CDC/2022-23/ 2025116 Date: 17 AUG 2022

ಅಧಿಸೂಚನೆ

ವಿಷಯ: ಕೆ. ಎಲ್. ಇ. ಸಂಸ್ಥೆಯ. ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ. ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ. ಮೊ: ಚಿಕ್ಕೋಡಿ. ಇದಕ್ಕೆ 2022-23 ನೇ ಸಾಲಿಗಾಗಿ ಮುಂದುವರಿಕೆ/ ವಿಸ್ತರಣೆ ಸಂಯೋಜನಾ ಮಂಜೂರಾತಿ ನೀಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: 1. ತಮ್ಮ ಮಹಾವಿದ್ಯಾಲಯದ ಸಂಯೋಜನಾ ಅರ್ಜಿ ದಿನಾಂಕ : 09-05-2022
2. ವಿದ್ಯಾವಿಷಯಕ ಮತ್ತು ಸಿಂಡಿಕೇಟ್ ಸಭೆಯ ಅನುಮೋದನೆ ದಿನಾಂಕ : 17-06-2022
3. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ : 17-06-2022

ಕರ್ನಾಟಕ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಅಧಿನಿಯಮ 2000 ರ ಕಲಂ 59(17)ರನ್ವಯ. ಉನ್ನತ ಶಿಕ್ಷಣ ಇಲಾಖೆ. ಕರ್ನಾಟಕ ಸರಕಾರ ಸೂಚಿಸಿದ ಅಂಕ ಹಾಗೂ ಮಾನದಂಡಗಳನ್ನು ಮತ್ತು ಸ್ಥಾನಿಕ ತನಿಖಾ ಸಮಿತಿಯು ವಿಧಿಸಿದ ನಿಬಂಧನೆಗಳನ್ನು ಪಾಲಿಸುವ ಷರತ್ತಿಗೆ ಒಳಪಟ್ಟು ವಿದ್ಯಾವಿಷಯಕ್ ಪರಿಷತ್ ಹಾಗೂ ಸಿಂಡಿಕೇಟ್ ಸಭೆಗಳ ಅನುಮೋದನೆಯನ್ವಯ. ಕೆ. ಎಲ್. ಇ. ಸಂಸ್ಥೆಯ. ಬಸವಪ್ರಭು ಕೋರೆ ಕಲಾ. ವಿಜ್ಞಾನ ಹಾಗೂ ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ. ಮೊ: ಚಿಕ್ಕೋಡಿ. ತಾ: ಚಿಕ್ಕೋಡಿ. ಜಿ: ಬೆಳಗಾವಿ. ಇದಕ್ಕೆ ಈ ಕೆಳಗೆ ಕಾಣಿಸಿದ ಕೋರ್ಸ್‌ಗಳಿಗೆ ಹಾಗೂ ವಿಷಯಗಳಿಗೆ 2022-23ನೇ ಸಾಲಿನ ಶೈಕ್ಷಣಿಕ ಅವಧಿಗಾಗಿ ಮುಂದುವರಿಕೆ/ವಿಸ್ತರಣೆಗೆ ಸಂಯೋಜನಾ ಮಂಜೂರಾತಿಯನ್ನು ನೀಡಲಾಗಿದೆ.

2022-23 ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿಗೆ ಸಂಯೋಜನೆ ನೀಡಲಾದ ವಿವರ.

ಕೋರ್ಸ್	ಸೆಮಿಸ್ಟರ್ ಹಾಗೂ ಸಂಯೋಜನೆ ವಿಧ	ಮೂಲ ವಿಷಯ ಮತ್ತು ಪ್ರವೇಶ ಮಿತಿ (ಪ್ರತಿ ಸೆಮಿಸ್ಟರ್‌ಗೆ)	ಐಚ್ಛಿಕ ವಿಷಯಗಳ ಸಮೂಹ ಮತ್ತು ಪ್ರವೇಶ ಮಿತಿ (ಪ್ರತಿ ಸೆಮಿಸ್ಟರ್‌ಗೆ)			
ಬಿ.ಎ	1 ರಿಂದ 4 ಮುಂದುವರಿಕೆ (NEP)	--	ಇಂಗ್ಲೀಷ್	35	ಪತ್ರಿಕೋದ್ಯಮ	20
			ಕಂಪ್ಯೂಟರ್ ಅಪ್ಲಿಕೇಶನ್			25
	5 ರಿಂದ 6 ಮುಂದುವರಿಕೆ (Non NEP)	--	ಇಂಗ್ಲೀಷ್-ರಾಜ್ಯಶಾಸ್ತ್ರ-ಪತ್ರಿಕೋದ್ಯಮ.			40
			ಇತಿಹಾಸ- ರಾಜ್ಯಶಾಸ್ತ್ರ-ಇಂಗ್ಲೀಷ್			100
			ಕಂಪ್ಯೂಟರ್ ಅಪ್ಲಿಕೇಷನ್			25
ಬಿ.ಎಸ್ಸಿ.	1 ರಿಂದ 4 ಮುಂದುವರಿಕೆ (NEP)	--	ಗಣಕ ವಿಜ್ಞಾನ	20	ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್	20
	3 ರಿಂದ 6 ಮುಂದುವರಿಕೆ (Non NEP)	--	ಭೌತಶಾಸ್ತ್ರ-ಗಣಿತಶಾಸ್ತ್ರ-ಗಣಕವಿಜ್ಞಾನ			50
			ಭೌತಶಾಸ್ತ್ರ-ಗಣಿತಶಾಸ್ತ್ರ-ಇಲೆಕ್ಟ್ರಾನಿಕ್ಸ್			15
ಎಂ.ಕಾಂ.	1 ರಿಂದ 4 ಮುಂದುವರಿಕೆ	ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪಠ್ಯಕ್ರಮದಂತೆ ಎಲ್ಲ ಕಡ್ಡಾಯ ವಿಷಯಗಳು				30
ಎಂ.ಎಸ್ಸಿ. (ಸಸ್ಯಶಾಸ್ತ್ರ)	1 ರಿಂದ 4 ಮುಂದುವರಿಕೆ	ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪಠ್ಯಕ್ರಮದಂತೆ ಎಲ್ಲ ಕಡ್ಡಾಯ ವಿಷಯಗಳು				20

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RCU College Affiliation Notification 2022-23

PRINCIPAL
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ಕುಲಸಚಿವರು