CO-PO Attainment

Course Name :	INORGANIC CHEMISTRY - III
Course Code :	CHE5B06
L : T : P -	L
Semester :	5
Credits :	3
Batch :	2021-24
Faculty :	Dr. Deepthi Jose, Dr. Sareena C

Grading Scale	
MARKS SECURED	SCORE
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3

CO-PO MAPPING in terms of codes (H, M and L)							
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	To understand the principles behind quanlitative and quantitative analysis.	H	H	0	0	0	H
CO2	To understand basic processes of metallurgy and to analyse the merits of different alloys.	M	M	0	0	0	M
CO3	To understand the applications of different inorganic polymers.	M	M	0	0	0	M
CO4	To apply the principles of solid waste management.	H	H	L	L	H	M

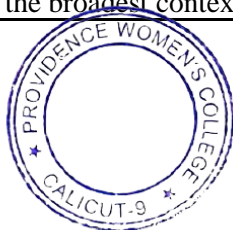3: Strongly Related (H), 2: Moderately Related (M), 1: Related (L), 0: No relation

CO-PO MAPPING in terms of grading scores (3, 2 and 1)							
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	To understand the principles behind quanlitative and quantitative analysis.	3	3	0	0	0	3
CO2	To understand basic processes of metallurgy and to analyse the merits of different alloys.	2	2	0	0	0	2
CO3	To understand the applications of different inorganic polymers.	2	2	0	0	1	2
CO4	To apply the principles of solid waste management.	3	3	1	1	3	2

Max. Score		10	10	1	1	4	9
Average		2.5	2.5	0.25	0.25	1	2.25

Semester	Weightage	0.8 X Direct + 0.2 X Indirect					
	Course Name	PO1	PO2	PO3	PO4	PO5	PO6
5	CHE5B06 INORGANIC CHEMISTRY - III	68.1	68.1	77.3	77.3	73.0	67.1
	Direct attaintment(0.8)	1.59	1.59	1.87	1.87	1.73	1.56
	Indirect attaintment(0.2)	0.46	0.46	0.45	0.45	0.46	0.46
	Total	2.04	2.04	2.32	2.32	2.19	2.01

Programme Outcomes

PO1	**Critical Thinking**: Take informed actions after identifying the assumptions that frame sudents' thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at their ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2	**Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
PO3	**Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
PO4	**Effective Citizenship**: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO5	**Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.
PO6	**Self-directed and Life-long Learning**: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes

CO-PO Attainment

Course Name :	ORGANIC CHEMISTRY– I
Course Code :	CHE4B04
L : T : P -	L
Semester :	4
Credits :	3
Batch :	2021-24
Faculty :	Sr. Asha Thomas

Grading Scale	
MARKS SECURED	**SCORE**
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3

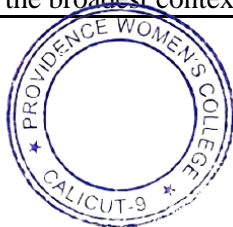| CO-PO MAPPING in terms of codes (H, M and L)								
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	To apply the concept of stereochemistry to different compounds.	H	H	0	L	0	0
CO2	To understand the basic concepts of reaction mechanism.	M	H	0	0	0	M
CO3	To analyse the mechanism of a chemical reaction	H	M	L	0	0	L
CO4	To analyse the stability of different aromatic systems.	M	H	0	0	L	0

3: Strongly Related (H), 2: Moderately Related (M), 1: Related (L), 0: No relation

CO-PO MAPPING in terms of grading scores (3, 2 and 1)								
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	To apply the concept of stereochemistry to different compounds.	3	2	1	1	0	3
CO2	To understand the basic concepts of reaction mechanism.	3	3	0	0	0	2
CO3	To analyse the mechanism of a chemical reaction	3	3	0	0	1	3
CO4	To analyse the stability of different aromatic systems.	3	3	0	0	0	2

Max. Score		12	11	1	1	1	10
Average		3	2.75	0.25	0.25	0.25	2.5

Semester	Weightage	0.8 X Direct + 0.2 X Indirect					
	Course Name	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
4	CHE4B04 ORGANIC CHEMISTRY– I	84.2	84.2	84.6	84.6	71.1	82.9
	Direct attaintment(0.8)	2.07	2.06	2.13	2.13	1.67	2.03
	Indirect attaintment(0.2)	0.46	0.46	0.40	0.40	0.47	0.45
	Total	2.53	2.52	2.54	2.54	2.13	2.49

Programme Outcomes

PO1	**Critical Thinking**: Take informed actions after identifying the assumptions that frame sudents' thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at their ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2	**Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
PO3	**Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
PO4	**Effective Citizenship**: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO5	**Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.
PO6	**Self-directed and Life-long Learning**: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes

Dr. (Sr.) Jaseena Joseph
Principal
Providence Women's College
Kozhikode 673009, Kerala, India

PROVIDENCE WOMEN'S COLLEGE (AUTONOMOUS)

Carmel Hill, Malaparamba P O, Kozhikode - 673 009.Re-Accredited with Grade A++ by NAAC

Program(s) : BSC MATHEMATICS	**Department(s) :** MAT	**Batch(s) :** UG-MAT-22-25 - S3
Course Community : MECHANICS, RELATIVITY,WAVES AND OSCILLATIONS(MATHS) 2022-25	**Faculty(s) :** DR. A. SOBHA, MARIOT JOSE PANJIKARAN	**Course :** MECHANICS, RELATIVITY,WAVES AND OSCILLATIONS

Student Wise CO Report

TEST PAPER Report

Above Target Percentage : ☐ Below Target Percentage: ☐

#	Reg No	Student Name	CO1	CO2	CO4
1	PWAWSMT001	AFLA SANA K K	38	45	38
2	PWAWSMT002	AMISHA ELIZABETH SAJI	6	0	7
3	PWAWSMT003	FATHIMA FAHMIYA N K	4	0	3
4	PWAWSMT004	FATHIMA HANA	26	0	27
5	PWAWSMT005	FATHIMA RIZA K V	38	40	38
6	PWAWSMT006	SHANA PARVEEN K T	50	0	50
7	PWAWSMT007	ADITHYA K	16	30	17
8	PWAWSMT008	AISWARYA UNNIKRISHNAN	70	95	70
9	PWAWSMT009	ANAMIKA A	36	70	37
10	PWAWSMT010	ANJANA V	76	100	75
11	PWAWSMT011	DIVYA VIJAYAN	62	45	62

Student Wise CO Report					
TEST PAPER Report					
Above Target Percentage : ☐ **Below Target Percentage:** ☐					
#	**Reg No**	**Student Name**	**CO1**	**CO2**	**CO4**
12	PWAWSMT012	FATHIMA NISANA	12	50	12
13	PWAWSMT013	FIDHA SULTHANA K	50	40	50
14	PWAWSMT014	MAYOOKHA M M	64	90	63
15	PWAWSMT016	NAYSA BIJU	46	80	45
16	PWAWSMT017	NUZHA KADEEJA	66	90	65
17	PWAWSMT018	PARVATHY P	48	50	48
18	PWAWSMT019	PRIYADATTA R NAIR	94	95	93
19	PWAWSMT020	VARSHA PRASAD M	38	85	38
20	PWAWSMT021	AARYA MANOJ	62	80	62
21	PWAWSMT022	ANANYA T	44	95	43
22	PWAWSMT023	ANUSMAYA K S	80	95	80
23	PWAWSMT024	CHARUTHA P J	38	80	38
24	PWAWSMT025	FATHIMA FIDA	54	70	53
25	PWAWSMT026	PUNYA P	48	95	48
26	PWAWSMT027	SHREYA K P	46	100	47

Class Strength	26		
Course Outcomes addressed	CO1	CO2	CO4
Target of Course Outcome	50	50	50
No of students with CO value greater than or equal to 50	11	17	11
Percentage of students with CO value greater than 50	42.31	65.38	42.31

Average	46.62	62.31	46.5
Attainment Level	1.00	3.00	1.00

Attainment :High ☐ Medium ☐ Low ☐

CO List	
CO Code	**Description**
CO1	Understand the basic ideas of frames of reference and the principles of conservation of energy and momentum.
CO2	Understand the concept of relativity
CO3	Understand the basic ideas of oscillations and waves
CO4	understand the basic ideas of modern physics

CO Attainment Levels
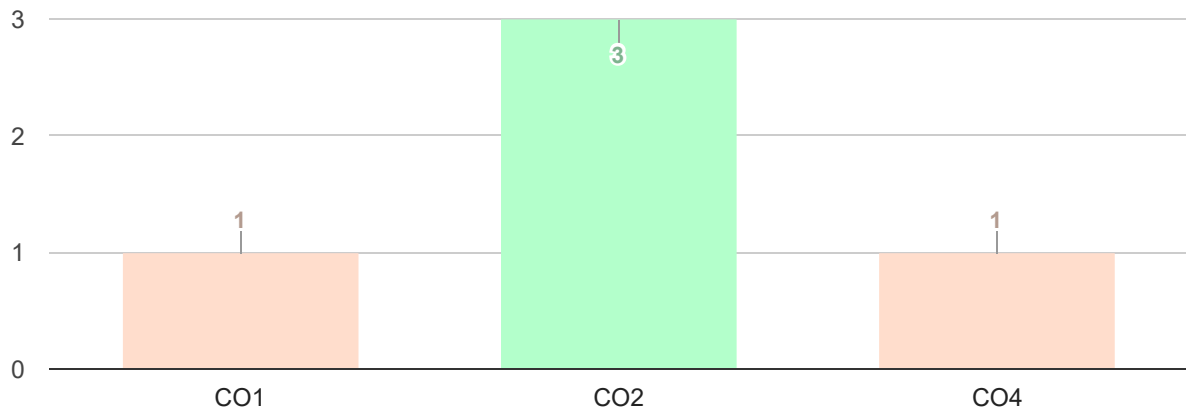
Attainment :High ☐ Medium ☐ Low ☐

	PROVIDENCE WOMEN'S COLLEGE **CARMEL HILL, MALAPARAMBA P.O. CALICUT 673009** **Affiliated to University of Calicut**
Course Name	: COST ACCOUNTING
Course Code	: BCM4B05
Semester	:4
L : T : P -	L
Semester	:4
Credits	:4
Batch	:2022-25
Faculty	:SHIJI P

Grading Scale	
MARKS SECURED	**SCORE**
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	Imbibe conceptual knowledge of cost accounting	H	H	H	M	M	H
CO2	Identify the specifics of different costing methods	H	L	H	L	H	H
CO3	Interpret the impact of selected cost methods	H	L	M	M	H	M
CO4	Apply cost accounting methods to evaluate and project business performance	H	H	H	L	M	H
3- Strongly Related (H), 2- Moderately related (M), 1- Related (L) & 0- No relation (Blank cell)							
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	Imbibe conceptual knowledge of cost accounting	3	3	3	2	2	3
CO2	Identify the specifics of different costing methods	3	1	3	1	3	3
CO3	Interpret the impact of selected cost methods	3	1	2	2	3	2
CO4	Apply cost accounting methods to evaluate and project business performance	3	3	3	1	2	3
Max. Score		12	8	11	6	10	11

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	Imbibe conceptual knowledge of cost accounting	0.86	0.93	0.93	0.93	0.93	0.93
CO2	Identify the specifics of different costing methods	0.84	0.91	0.91	0.91	0.91	0.91
CO3	Interpret the impact of selected cost methods	0.88	0.88	0.88	0.88	0.88	0.88
CO4	Apply cost accounting methods to evaluate and project business performance	0.80	0.80	0.80	0.80	0.80	0.80
Grading Index for PO		10.145	6.991	9.69	5.338	8.84	9.693
PO attainment level		84.5%	87.4%	88.1%	89.0%	88.4%	88.1%

Weightage								
Semester	Course code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6
4	BCM4B05	COST ACCOUNTING	95.42	93.25	94.66	94.95	95.71	94.66
			2.86	2.80	2.84	2.85	2.87	2.84
		Direct attaintment(0.8)	2.29	2.23	2.28	2.28	2.31	2.28
		Indirect attaintment(0.2)	0.51	0.52	0.53	0.53	0.53	0.53
		Total	2.86	2.80	2.84	2.85	2.87	2.84

Programme Outcomes	
PO1	Critical Thinking
PO2	Problem Solving
PO3	Effective Communication
PO4	Effective Citizenship
PO5	Environment Sustainability
PO6	Self-directed and Life-long Learning

PROVIDENCE WOMEN'S COLLEGE
CARMEL HILL, MALAPARAMBA P.O. CALICUT 673009
Affiliated to University of Calicut

Evaluation of CO-PO
Attainment

Course Name :	PROBABILITY THEORY
Course Code :	STA2C02
L : T : P -	L
Semester :	2
Credits :	4
Batch :	2023-2026
Faculty :	SILPA T, SWETHA C

Grading Scale	
MARKS SECURED	**SCORE**
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3	

CO-PO MAPPING in terms of codes (H, M and L)							CO-PSO MAPPING				
CO-PO Mapping	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PSO1**	**PSO2**	**PSO3**	**PSO4**	**PSO5**
CO1 — Calculate Probability for hypothetical situations	H	H	L	L	L	H	H	L	M	H	H
CO2 — Calculate Probabilities of discrete and continuous Random variables using PMF and PDF	H	H	L	L	L	H	H	L	H	H	H
CO3 — Find mathematical expectations and moments of random variable	H	H	L	L	L	H	H	L	H	H	H
CO4 — Explain bivariate random variable and their probability distributions	H	H	L	L	L	H	H	L	H	H	H

3: Strongly Related (H), 2: Moderately Related (M), 1: Related (L), 0: No relation

CO-PO MAPPING in terms of grading scores (3, 2 and 1)		CO-PSO MAPPING										
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Calculate Probability for hypothetical situations	3	3	3	0	1	2	3	0	2	3	3
CO2	Calculate Probabilities of discrete and continuous Randomvariables using PMF and PDF	1	2	1	0	0	2	3	0	3	3	3
CO3	Find mathematical expectations and momoents of randomvariable	3	3	2	0	0	1	3	0	3	3	3
CO4	Explain bivariate randomvariable and their probability distributions	3	3	3	1	2	2	3	0	3	3	3
Max. Score		10	11	9	1	3	7	12	0	11	12	12
Average		2.5	2.75	2.25	0.25	0.75	1.75	3	0	2.75	3	3

Semester	Course Name	Weightage	0.8 X Direct + 0.2 X Indirect									
		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
2	STA2C02 PROBABILITY THEORY	85.93	81.70	85.21	91.70	90.87	####	78.17	#DIV/0!	77.17	78.17	78.17
	Direct attaintment(0.8)	2.24	2.11	2.23	2.40	2.40	3.44	2.01	#DIV/0!	1.97	2.01	2.01
	Indirect attaintment(0.2)	0.33	0.34	0.33	0.35	0.33	0.33	0.34	#DIV/0!	0.34	0.34	0.34
	Total	2.58	2.45	2.56	2.75	2.73	3.77	2.35	#DIV/0!	2.32	2.35	2.35

Programme Outcomes	
PO1	**Critical Thinking**: Take informed actions after identifying the assumptions that frame sudens' thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at their ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2	**Problem Solving**: Understand and solve problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired.
PO3	**Effective Communication**: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
PO4	**Effective Citizenship**: Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.

PO5	**Environment and Sustainability**: Understand the issues of environmental contexts and sustainable development.
PO6	**Self-directed and Life-long Learning**: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes

	Programme Specific Outcomes
PSO1	Develop through knowledge on areas like Mathematical Logic, Geometry, Calculus, Trigonometry, Analysis, Graph Theory, Algebra, Differential Equations, Topology and Number theory
PSO2	Acquire Knowledge in Calculus & Geometry
PSO3	Apply mathematical theories and principles accurately, precisely and effectively
PSO4	Develop analytical, logical, computational and communicative skills and implement them practically
PSO5	Acquire strong foundation in basic concepts of important areas of Mathematics

PROVIDENCE WOMEN'S COLLEGE
CARMEL HILL, MALAPARAMBA P.O. CALICUT 673009
Affiliated to University of Calicut
Evaluation of CO-PO Attainment

Course Name :	EMPLOYEE COUNSELLING
Course Code :	HRM4B05
L : T : P -	L
Semester :	4
Credits :	4
Batch :	2021-24
Faculty :	SRIYA SURESH KUMAR

Grading Scale

MARKS SECURED	SCORE
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3

CO-PO MAPPING in terms of codes (H,M and L)

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	M	L	L	0	0	L
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress	H	H	L	0	0	L
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace	H	H	L	0	0	H
CO4	Understand the recent trend in workplace counselling	M	M	0	0	0	L
CO5	0	0	0	0	0	0	0

3: Strongly Related (H), 2: Moderately Related (M), 1: Related (L), 0: No relation

CO-PO MAPPING in terms of grading scores (3,2 and 1)

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO1	Demonstrate the knowledge in organ	2	1	1	0	0	1
CO2	Understand individual behaviour in o	3	3	1	0	0	1
CO3	Understand and apply the basic skills	3	3	1	0	0	1
CO4	Understand the recent trend in workp	2	2	0	0	0	3
CO5	0	0	0	0	0	0	1
							0
Maximum Score		10	9	3	0	0	6
Average		2	1.8	0.6	0	0	1.2

Weightage 0.8X Direct+0.2x Indirect

Course Exit Survey PO attainment

Semester	Course code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6
4	HRM4B05	EMPLOYEE COUNSELLING	70.00	71.93	61.40	#DIV/0!	#DIV/0!	59.06
			2.10	2.16	1.84	#DIV/0!	#DIV/0!	1.77
		Direct attaintment(0.8)	1.68	1.73	1.47	#DIV/0!	#DIV/0!	1.42
		Indirect attaintment(0.2)	0.42	0.43	0.37	#DIV/0!	#DIV/0!	0.35
		Total	2.10	2.16	1.84	#DIV/0!	#DIV/0!	1.77

Programme Outcomes

PO1.	Critical Thinking: Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
PO2.	Problem Solving: Understand and solve the problems of relevance to society to meet the specified needs using the knowledge, skills and attitudes acquired from humanities/ sciences/mathematics/social sciences.
PO3.	Effective Communication: Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.
PO4.	Effective Citizenship: Demonstrate empathetic social concern and equity centered national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
PO5.	Environment and Sustainability: Understand the issues of environmental contexts and sustainable development.
PO6.	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life-long learning in the broadest context of sociotechnological changes.

Course Name : EMPLOYEE COUNSELLING
Course Code : HRM4B05
L : T : P - L
Semester : 4
Credits : 4
Batch : 2021- 2024
Faculty : SRIYA SURESH KUMAR

Grading Scale	
MARKS SECURED	SCORE
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3

		PROPORTION OF STUDENTS					NUMBER OF STUDENTS					CO GRADING INDEX	
		1 (Score <50%)	2 (Score> = 50% and <70%)	3 (Score>= 70%)	Total %		1 (Score <50%)	2 (Score >= 50% and <70%)	3 (Score >= 70%)	Total No. of students			
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	4	4	53	60		2	25	30	57		1.68	56.14
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	0	46	96	142		0	2	55	57		3.81	126.9
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	19	0	35	54		11	26	20	57		1.25	41.52
CO4	Understand the recent trend in workplace counselling	0	0	100	100		0	0	57	57		3.00	100
CO5					0							0.00	0

CO-PO MAPPING in terms of codes (H,M and L)								CO- PSO				
CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	M	L	L	0	0	L	M	H	M	0	H
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	H	H	L	0	0	L	H	L	0	L	M
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	H	H	L	0	0	H	H	H	M	L	M
CO4	Understand the recent trend in workplace counselling	M	M	0	0	0	L	H	M	0	0	H
CO5												

3- Strongly Related (H)
2- Moderately Related (M)
1- Related (L)
0- No relation (Blank Cells)

CO-PO MAPPING in terms of grading scores (3,2 and 1) — CO - PSO

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	2	1	1			1	2	3	2		3
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	3	3	1			1	3	1		1	2
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	3	3	1			3	3	3	2	1	2
CO4	Understand the recent trend in workplace counselling	2	2	0			1	3	2			3
CO5												
Max. Score		10	9	3			6	11	9	4	2	10

Proportion of students who have scored 3 — CO- PSO

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
CO4	Understand the recent trend in workplace counselling	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CO5	0	0.00										
Grading Index for PO		7.00	6.47368	1.842105			3.543859649	8	5.5965	1.754385965	1.315789474	7.210526
PO attainment level (Interim)		70.0%	71.9%	61.4%	#DIV/0!	#DIV/0!	59.1%	72.7%	62.2%	43.9%	65.8%	72.1%

Weightage							0.8					

Interim PO attainment

Semester	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
4	HRM4B05	EMPLOYEE COUNSELLING	70.0%	71.9%	61.4%	#DIV/0!	#DIV/0!	59.1%	72.7%	62.2%	43.9%	65.8%	72.1%
		80.0	56	57.54386	49.122807	#DIV/0!	#DIV/0!	47.25146199	58.182	49.747	35.0877193	52.63157895	57.684211
			1.68	1.726316	1.4736842	#DIV/0!	#DIV/0!	1.41754386	1.7455	1.4924	1.052631579	1.578947368	1.7305263

Course Name :
Course Code :

EMPLOYEE COUNSELLING
HRM 4B05

L : T : P -
Semester :
Credits :
Batch :
Faculty :

L
4
4
2021- 2024
SRIYA SURESH KUMAR

		PROPORTION OF STUDENTS					CO Grading Index (Course Survey)	Attainment %	
		VH	H	M	L	VL			
	Grading Index	5	4	3	2	1			
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	5	39	12	1	0	3.84210526	76.84%	0.77
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	10	33	13	1	0	3.9122807	78%	0.78
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	12	29	14	2	0	3.89473684	78%	0.78
CO4	Understand the recent trend in workplace counselling	4	40	11	1	1	3.78947368	76%	0.76
CO5							0	0%	0.00

CO-PO MAPPING in terms of codes (H,M and L)								CO - PSO				
	CO-PO Mapping	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	M	L	L	0	0	L	M	H	M	0	H
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	H	H	L	0	0	L	H	L	0	L	M
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	H	H	L	0	0	H	H	H	M	L	M
CO4	Understand the recent trend in workplace counselling	M	M	0	0	0	L	H	M	0	0	H
CO5		0	0	0	0	0	0	0				

3- Strongly Related (H)
2- Moderately Related (M)
1- Related (L)
0- No relation (Blank Cells)

CO-PO MAPPING in terms of grading scores (3,2 and 1)

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	2	1	1	0	0	1	2	3	2	0	3
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	3	3	1	0	0	1	3	1	0	1	2
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	3	3	1	0	0	3	3	3	2	1	2
CO4	Understand the recent trend in workplace counselling	2	2	0	0	0	1	3	2	0	0	3
CO5	0											
Max. Score		10	9	3	0	0	6	11	9	4	2	10

Proportion of students who have scored 3

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	Demonstrate the knowledge in organisational psychology, including a discussion of its historical origins and development	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
CO2	Understand individual behaviour in organizations with regard to job satisfaction and occupational stress.	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
CO3	Understand and apply the basic skills required for managing counterproductive behaviour and stress at workplace.	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
CO4	Understand the recent trend in workplace counselling	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
CO4	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading Index for PO		7	6.474	1.84	0	0	3.5439	8	5.596491	1.7544	1.3158	7.210526
PO attainment level		70.0%	71.9%	61.4%	#DIV/0!	#DIV/0!	59.1%	72.7%	62.2%	43.9%	65.8%	72.1%
Weightage		0.2										

Course Exit Survey PO attainment

Semester	Course code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5
4	HRM4B05	EMPLOYEE COUNSELLING	70.0%	71.9%	61.4%	#DIV/0!	#DIV/0!	59.1%	72.7%	62.2%	43.9%	65.8%	72.1%
			14	14.386	12.281	#DIV/0!	#DIV/0!	11.81287	14.54545455	12.4366472	8.77193	13.15789	14.4210526
			0.42	0.43158	0.3684	#DIV/0!	#DIV/0!	0.354386	0.436363636	0.37309942	0.263158	0.394737	0.43263158

ALEENA JOY
Head of Dept. of HRM
Providence Women's College
Calicut, Kerala - 673009

DEPT. OF HUMAN RESOURCE MANAGEMENT
DATE:..................
CALICUT- 673 009
PROVIDENCE WOMEN'S COLLEGE

PROVIDENCE WOMEN'S COLLEGE, CALICUT

COMPLEMENTARY: INTRODUCTORY ECONOMICS l

TIME:2 Hrs   TOTAL:80

Answer all questions. Each question carries 3 marks with a ceiling of 25 marks

1.What is Demand? (CO : CO1)

2.Explain the increasing returns to scale? (CO : CO1)

3.What are the determinants of demand? (CO : CO1)

4.State the law of demand? (CO : CO1)

5.State the law of diminishing marginal utility. (CO : CO1)

6.Difference between fixed cost and variable cost? (CO : CO1)

7.Explain indifference curve?

8.Why demand curve slopes downward? (CO : CO1)

 9.Difference between Microeconomics and Macroeconomics?

10.Difference between GDP and GNP. (CO : CO1)

11.What is Elasticity of Supply?

12.What is Average fixed Cost?

13.Name the factors of production?

14.What is Market equillibrium?

15.what are the major assumptions of Monopoly?

Answer all questions. Each question carries 5 marks with a ceiling of 35 marks

16.Explain the various concepts of National Income ? (CO : CO1)

17.What is a Market? What are the different types of market structure?

18.Explain the basic problems of an economy?

19.Explain the returns to scale production function?

20.Define economics and explain the importance of economics?

21.Explain the different types of factors of production?

22.Explain marginal productivity of labour ?(CO : CO1)

23.Explain Total utility and Marginal utilty with graph?

24.Discuss the exceptions to the law of demand?

25.Explain different types of elasticity of demand?

26.Explain different types of cost?

Answer two questions. Each question carries 10 marks

27.Explain short run and long run production function?

28.What do you mean by supply function? Explain elasticity of supply

29.Elucidate the relationship of economics with other social sciences?

.

1. Determine the factorto be considered while managing the personal issues of the employees.

a) Don't be too friendly

b) Do listen and don't' be compassionate

c) Do communicate with the rest of your team

d) Don't check in with the employee

Answer: a) Don't be too friendly.

(Blooms Taxonomy Level: Evaluate)

2. Identify the following factor which doesn't affect affects individual behaviour:

a) Inherited factors

b) Learned Characteristics

c) Environmental factors

d) None of these.

Answer: d) None of these.

(Blooms Taxonomy Level: Applying)

3. What are the key skills required for an effective employee counsellor to establish rapport and trust with clients?

a) Counselling techniques and theories

b) Problem-solving and decision-making skills

c) Empathy and active listening

d) Time management and organizational skills

Answer: c) Empathy and active listening

(Blooms Taxonomy Level: Remebering)

4. **Identify the reasons for employee absenteeism.**

a) Mental illness

b) Harassment

c) Burnout

d) All of these.

Answer: d) All of these

(Blooms Taxonomy Level: Applying)

5. **Which of the following way to manage counterproductive behaviour?**

a) Take immediate action

b) Communicate clearly

c) Hire carefully

d) All of these

Answer: d) All of these

(Blooms Taxonomy Level: Remembering)

6. **What is the primary role of an employee counsellor in the counselling process?**

a) Providing advice and solutions to employees' problems

b) Assessing employees' mental health and diagnosing disorders

c) Facilitating self-discovery and personal growth in employees

d) Enforcing disciplinary actions against employees

Answer: c) Facilitating self-discovery and personal growth in employees

(Blooms Taxonomy Level: Remembering)

7. Which stage of the counselling process involves collaboratively setting goals and developing an action plan with the employee?

a) Assessment

b) Intervention

c) Evaluation

d) Termination

Answer: b) Intervention

(Blooms Taxonomy Level: Remembering)

8. Identify a potential barrier to effective employee counselling in organizations:

a) Open and supportive organizational culture

b) Clear communication channels between management and employees

c) Limited availability of counselling resources and services

d) Ongoing professional development opportunities for counsellors

Answer: c) Limited availability of counselling resources and services

(Blooms Taxonomy Level: Applying)

9. Critically evaluate the following benefits and identify the wrong effective time management.

a) Greater productivity and efficiency

b) Less stress

c) A better professional reputation

d) Less chances of advancement

Answer: d) Less chances of advancement

(Blooms Taxonomy Level: Evaluate)

10. Which of the following are the factors of job satisfaction?

a) Challenges

b) Career growth

c) Respect & recognition

d) All of these

Answer: d) All of these

(Blooms Taxonomy Level: Remembering)

PROVIDENCE WOMEN'S COLLEGE

CARMEL HILL, MALAPARAMBA P.O. CALICUT 673009

Affiliated to University of Calicut

Evaluation of CO-PO Attainment

Course Name :	Individual differences
Course Code :	PSY4B01
Semester :	IV SEM
L : T : P -	L
Semester :	4
Credits :	3
Batch :	2023-24
Faculty :	LIJIYA MANJU

Grading Scale	
MARKS SECURED	SCORE
< 50%	1
50% to 70%	2
>=70%	3

TARGET is Students Must Achieve Score 3

COPO MAPPING IN TERMS OF CODE (H,L,M)		PO1	PO2	PO3	PO4	PO5	PO6
CO1	To provide theoretical knowledge about systems and processes like intelligence and personality	H	H	H	H	L	L
CO2	To understand the history of intelligence and Personality Testing	H	L	H	H	L	H
CO3	To familiarize the student with various types of tests in Psychology	H	L	M	H	M	H

1

CO-PO MAPPING in terms of grading scores (3,2 and 1)

CO-PO Mapping		PO1	PO2	PO3	PO4	PO5	PO6
CO 1	To provide theoretical knowledge about systems and processes like intelligence and personality	3	3	3	2	2	3
CO 2	To understand the history of intelligence and Personality Testing	3	1	3	1	3	3
CO 3	To familiarize the student with various types of tests in Psychology	3	1	2	2	3	2
CO 4	0	3	3	3	1	2	3
Max. Score		12	8	11	6	10	11

0.8X Direct+0.2x Indirect									
Course Exit Survey PO attainment									
Semester	Course code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6
4	PSY4B01	Individual differences	69.34	56.91	66.68	76.52	73.73	66.68
			2.08	1.71	2.00	2.30	2.21	2.00
		Direct attaintment(0.8)	1.64	1.36	1.59	1.82	1.76	1.59
		Indirect attaintment(0.2)	0.44	0.35	0.41	0.47	0.45	0.41
		Total	2.08	1.71	2.00	2.30	2.21	2.00

PROGRAM OUTCOME	
PO1	CRITICAL THINKING
PO2	PROBLEM SOLVING
PO3	EFFECTIVE COMMUNICATION
PO4	EFFECTIVE CITIZENSHIP BEHAVIOUR
PO5	ENVIRONMENT AND SUSTAINABILITY
PO6	SELF DIRECTSES AND LIFE LING LEARNING

Second Semester BSc Mathematics : - First Internal Exam
MTS2 B02 : CALCULUS OF SINGLE VARIABLE - 1
Time:- **2 Hours**   Max Marks:- **50**

PART-A
Answer **all** questions; each carries **3** marks (5 x 3 = 15)

1. Find two functions f and g such that $F = f \circ g$ if $F = (x + 2)^4$.   (Level 1 – CO1)
2. Find $\lim\limits_{x \to 0} \frac{\tan x}{x}$ (Level 1 – CO1)
3. Find the extreme values of $f(x) = 3x^2 – 5x – 8$.   (Level 1 – CO2)
4. Determine where the graph of $f(x) = x^3 – 6x$ is concave upward and where it is concave downward.   (Level 3 – CO2)
5. Show that $f(x) = |x|$ is continuous everywhere.   (Level 2 – CO1)

PART-B
Answer **all** questions; each carries **5** marks (5 x 5 = 25)

6. Find all the asymptotes of the graph of $f(x) = \frac{1}{x-1}$.   (Level 1 – CO2)
7. Show that if the function is differentiable at the point a, then it is continuous at a.   (Level 2 – CO1)
8. Verify that the function $f(x) = x^2 + 1$ satisfies the hypothesis of mean value theorem and find all values of c that satisfy the conclusion of the theorem.   (Level 2 – CO1)
9. The velocity function of a car moving along a straight road is given by $v(t) = t – 20$ for time t where the position function r(t) is measured in feet per second. Show that at t = 40, the car is at the same position as it was initially.   (Level 2 – CO3)
10. Find the slope and an equation of the tangent line in the graph of the equation $y = x^2 + 4x$ at the point p(2,4).   (Level 1 – CO1)

PART-C
Answer any **one** of the following questions (1 x 10 =10)

11. Sketch the graph of the function $f(x) = 2x^3 – 3x^2$.   (Level 3 – CO2)

OR
12.
    a. By translating the graph of $y = x^2$, sketch the graphs of $y = x^2 + 1$ and $y = (x - 2)^2$.
    b. Suppose that $g(x) = (x^2 + 1)f(x)$ and it is known that $f(2) = 3$. Evaluate $g'(2)$.

    c. Let $f(x) = \begin{cases} -x^5 + x^3 + x + 1, & if\ x < 0 \\ 2, & if\ x = 0 \\ x^2 + \sqrt{x + 1}, & if\ x > 0 \end{cases}$

       Find $\lim\limits_{x \to 0^+} f(x)$ and $\lim\limits_{x \to 0^-} f(x)$. Does $\lim\limits_{x \to 0} f(x)$ exist? Justify your answer.
                               (Level 4 – CO1)

Fourth Semester B. Sc. Chemistry Internal Examination, June 2023

Marks: 10   **Duration: 1 hour**

CHE4B04 – ORGANIC CHEMISTRY

Answer all the questions (5 x 2=10)

1. Describe Zaitsev's rule?

   (Level 2, CO1)

2. Explain the conversion of 2-methylpropene to 2-methylpropan-2-ol?

   (Level 1, CO2)

3. Sketch the aromaticity of azulene and annulenes

   (Level 3, CO4)

4. Prioritize basicities of aniline, p-nitroaniline and p-anisidine

   (Level 2, CO3)

5. Correlate the mechanism of nitration of benzene and aniline

   (Level 3, CO3)

FIFTH SEMESTER INTERNAL EXAMINATION   SEPTEMBER 2023

CHE 5B 06 – INORGANIC CHEMISTRY - III

Time: 2 hrs   Maximum: 60 marks

Section A (Short answers)

Answer questions up to 20 marks, each question carries 2 marks

1. Mention two advantages of microanalysis. (CO1)
2. Distinguish between co-precipitation and post precipitation in gravimetry. (CO1)
3. What are interhalogen compounds? Give examples
4. Cyanogen is considered as pseudohalogen. Why?
5. Draw the structure of linear and cyclic chlorotriphosphazine (CO3)
6. Write four applications of silicones (CO3)
7. Define heterocatenation with example (CO3)
8. Write the reaction involved in the extraction of Ag ore has been leached with NaCN.
9. What is copper matte? How is copper obtained from it?
10. What is meant by the term pyrometallugy?
11. Give four examples for aluminium ores.
12. Distinguish between the term mineral and ore.

Ceiling of marks 20

Section B

Answer question up to 30 marks, each question carries 5 marks

13. Explain the structure and hybridization of IF_7 and ClF_3
14. What is meant by Ellingham diagram? With the help of a schematic diagram, explain its utility in metallurgy.
15. Briefly explain the synthesis, properties and applications of polythiazyl polymers
16. Explain the structure of S_2N_2 and S_4N_4 (2+3) (CO3)
17. Discuss van Arkel method. Explain its application in the purification of Ti. (CO2)
18. Explain the steps involved in the extraction of uranium from its chief ore. (CO2)
19. Explain the preparation of Na_2CO_3 extract for inorganic qualitative analysis. Discuss its advantages in the identification of acidic and basic radicals. (CO1)

Ceiling of marks 30

Section C
Answer any one question, The question carries 10 marks
20. Explain the applications of common ion effect and solubility product in separation and identification of cations.
21. Discuss the structure and uses of silicates with suitable examples **(1 x 10 = 10 marks)**

PROVIDENCE WOMEN'S COLLEGE, CALICUT
III SEMESTER B.Sc COMPUTER SCIENCE
INTERNAL EXAMINATION 2023
BCS3B04 DATA STRUCTURES USING C

Time: 2 Hrs   Total: 50 Marks

Answer any 6 Questions. Each carry 5 marks.

1. Differentiate between Array & Linked List? - CO1 (L2)
2. Compare DEQUEUE & Priority Queue? – CO3 (L2)
3. Illustrate reverse of a string using Stack? – CO3(L4)
4. Explain Circular Queue? -CO3(L1)
5. Explain Queue? -CO3(L1)
6. Summarize sparse matrix and its implementation using triplet representation? – CO1(L2)
7. Explain Asymptotic Notations? – CO(L1)

Answer any 2 Questions. Each carry 10 marks.

8. Explain Stack and design its implementation using array? – CO1(L1,L6)
9. Explain Singly Linked List and develop its implementation using array? – CO2(L1,L6)
10. Explain Doubly Linked List and develop its implementation using array? – CO2(L1,L6)

PROVIDENCE WOMEN'S COLLEGE, CALICUT
I SEMESTER B.Sc COMPUTER SCIENCE
INTERNAL EXAMINATION 2023
BCS1B01 COMPUTER FUNDAMENTALS & HTML

Time: 2 Hrs   Total: 50 Marks

Answer any 6 Questions. Each carry 5 marks.

1. Explain www and W3C? -CO4 (L1)
2. What is a web page? Explain. -CO4(L1)
3. Obtain the Binary Equivalent of the decimal 56.56 – CO2(L3)
4. Define an algorithm with example? -CO3
5. What is Ordered Lists? – C04(L1)
6. Illustrate how to insert a picture in HTML page? -CO4(L4)
7. Write a 4 bit BCD code for $1024_{10.}$ – CO2

Answer any 2 Questions. Each carry 10 marks.

8. Solve the K-map for 4 variables in SOP form
   $F(P,Q,R,S) = \sum(0,2,5,7,8,10,13,15)$. – CO2(L3)
9. Create an HTML page that offers an opportunity to plan your holidays. Use hyperlinks and sufficient details to display the required information. – CO4(L6)
10. Draw a block diagram to illustrate the basic organization of a computer and explain the functions of various units. – CO1(L2)