Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

Course Name - Physical Chemistry

Course Code -CH91105

Credit- 4

Corresponding lab course name- Nil Name of the Faculty: Dr. Renu Hada

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average					
Indirect	2.5	2.25	2.25	2.25	1.75	2.20					
Assessment											
D	2.8										
Overall CO at	Overall CO attainment = 80% Direct Assessment + 20% Indirect										
	Assessment = A2										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

PO Attainment = (weighted average value of PO x A2) $\frac{1}{3}$

Course	A2	PO1	PO2	PO ₃	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91105	2.68	2.11	1.69	1.10	0.64	0.64	1.90	0.21	1.26	0.64	2.12
CO contribution to PO OR COPO Attainment											
		1.89	1.51	0.94	0.57	0.57	1.70	0.19	1.13	0.57	1.89
	1.096										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. I SEMESTER

Course Name – Inorganic Chemistry

Course Code - CH91106

Credit- 4

Corresponding lab course name-Nil
Name of the Faculty: Dr. Nitish Gupta

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2.5	2.5	1.75	1.75	1.5	2.0				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att Assessment = A A2 = 2.32 + 0.4	12	= 80% Di	rect Assessn	ment + 20%	Indirect	2.72				

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

PO Attainment = (weighted average value of PO x A2) $\frac{1}{3}$

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91106	2.72	1.6	1.8	1.4	.8	0.38	2.0	0.8	1.8	1.0	2.0
CO											
contributio											
n to PO											
(OR)											
COPO											
Attainment (A2*PO/3)		1.45	1.63	1.27	0.72	0.34	1.81	0.72	1.63	0.90	1.81
		Į.				1.23					

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. I SEMESTER

Course Name – Analytical Chemistry

Course Code - CH91107

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr.Urmila Raghuvanshi

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.25	2.5	2.5	2.5	2.5	2.50
Assessment						
Direct Assess		03				
Overall CO att	tainment	= 80% Di	rect Assessr	ment + 20%	Indirect	2.90
Assessment = A	A2					
A2 = 2.40 + 0.50)					

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91107	2.90	1.8	1.8	2.0	2.0	1.0	2.0	1.5	1.8	1.2	2.0
CO contribution to PO OR											
COPO Attainment		174	1.74	1.93	1.93	0.96	1.93	1.45	1.74	1.16	1.93
						1.65					

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. I SEMESTER

Course Name – Chemistry of Engineering Materials

Course Code - CH91108

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Mrs. Snehlata Soni

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2.5	2.5	1.75	1.75	2.5	2.20				
Assessment										
Direct Assess		03								
Overall CO at	2.84									
= 2.4 + 0.44										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91108	2.84	1.5	1.0	1.8	1.5	1.0	1.5	1.8	1.8	1.6	1.8
CO contribution to PO OR COPO Attainment		1.42	0.94	1.71	1.42	0.94	1.42	1.71	1.71	1.52	1.71
	1.4 5										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. II SEMESTER

Course Name – Organic Chemistry

Course Code - CH91205

Credit- 4

Corresponding lab course name-Nil Name of the Faculty: Dr. Nitin S. Sapre

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT&INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.5	2.5	2.25	1	2.5	2.15
Assessment						
Direct Assess	2.5					
Overall CO att	ainment	= 80% Dia	rect Assessn	nent + 20%	Indirect	2.43
Assessment = A	12					
A2 = 2 + 0.43						

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91205	2.43	1.5	2.0	1.2	0.8	0.2	1.0	0.5	1.0	1.5	1.8
CO contribution to PO OR											
COPO Attainment		1.22	1.62	0.97	0.65	0.16	0.81	0.41	0.81	1.22	1.46
		1	1	1	1	0.93		1	1	1	1

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

Sc. II SEMESTER

Course Name – Modern Analytical Methods

CourseCode -CH91206

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr. Urmila Raghuvanshi

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2.5	2.5	2	2.25	2	2.25				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	tainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.85				
Assessment = A	A 2									
A2 = 2.4 + 0.45										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91206	2.85	2.0	2.0	2.0	0.8	0.5	1.5	1.2	0.5	0.5	1.8
CO contribution to PO OR											
COPO Attainment		1.9	1.9	1.9	0.76	0.48	1.43	1.14	0.48	0.48	1.71
	1.22										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. II SEMESTER

Course Name – Natural Products

Course Code-CH91207

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr. Deepal Agrawal & Dr. Shailey Gupta

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT & INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.5	2	2.5	2.5	2	2.3
Assessment						
Direct Assessi		2.9				
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.78
Assessment = A						
A2 = 2.32 + 0.40	6					

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code CH91207	2.78	1.5	1.5	1.5	0.6	1.0	1.0	1.0	1.0	1.0	2.0
CO contribution to PO OR											
COPO Attainment		1.39	1.39	1.39	0.56	0.93	0.93	0.93	0.93	0.93	1.85
	1.12										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. II SEMESTER

Course Name – Chemistry of Drugs - I

Course Code - CH91209

Credit- 4

Corresponding lab course name-Nil Name of the Faculty : Dr. Nitish Gupta

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.5	2.5	2.5	1.5	1.5	2.1
Assessment						
Direct Assess		03				
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.82
Assessment = A						
A2 = 2.4 + 0.42						

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91209	2.82	1.5	1.0	1.2	1.0	1.5	1.0	1.0	2.0	1.0	2.0
CO contribution to PO OR											
COPO Attainment		1.41	0.94	1.13	0.94	1.41	0.94	0.94	1.88	0.94	1.88
	1.24										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. III SEMESTER

Course Name – Chemistry of Drugs (Natural)

Course Code - CH91305

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr. Madhavi Verma

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT) **EXAMPLE OUTCOME ATTAINMENT USING (DIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	1.5	2.5	2.5	2.5	1.25	2.05				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	ainment	= 80% Di	rect Assessr	nent + 20%	Indirect	2.65				
Assessment = A	A2									
A2 = 2.24 + 0.41										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91305	2.65	1.5	1.5	1.0	1.0	0.8	1.0	0.8	1.0	0.6	1.5
CO contribution to PO OR											
COPO Attainment		1.33	1.33	0.88	0.88	0.71	0.88	0.71	0.88	0.53	1.33
	0.95										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. III SEMESTER

Course Name – Chemistry of Drugs – II Course

Code - CH91306

Credit- 4

Corresponding lab course name-Nil Name of the Faculty: Dr. Nitish Gupta

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT & INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.5	2.5	2.25	1.8	1.75	2.16
Assessment						
Direct Assess		03				
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.83
Assessment = A						
A2 = 2.40 + 0.4	3					

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
СН91306	2.83	1.5	1.0	1.0	1.25	1.0	1.0	1.0	2.0	1.5	2.0
CO contribution to PO OR											
COPO Attainment		1.41	0.94	0.94	1.18	0.94	0.94	0.94	1.87	1.41	1.87
	<u>1.24</u>										

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. III SEMESTER

Course Name –Computer Applications in Chemistry

Course Code -CH91307

Credit- 4

Corresponding lab course name-Nil Name of the Faculty: Dr. Nitin S. Sapre

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT & INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.25	2.5	2.5	1.75	1.5	2.1
Assessment						
Direct Assess	03					
Overall CO att	2.82					

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91307	2.82	1.75	1.5	1.5	0.4	0.5	1.0	1.5	2.0	1.0	2.0
CO contribution to PO OR											
COPO Attainment		1.65	1.41	1.41	0.38	0.47	0.94	1.41	1.88	0.94	1.88
						1.24					

Shri G.S. Institute of Technology & Science, Indore

COURSE ASSESSMENT SHEET FOR 2022-23

M.Sc. III SEMESTER

Course Name – Advanced Organic and Medicinal Chemistry

Course Code -CH91308

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr. Nitin S. Sapre

SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT & INDIRECT) TOOLS

Tool	CO1	CO2	CO3	CO4	CO5	Average
Indirect	2.5	2.4	1.75	2.25	2.25	2.23
Assessment						
Direct Assess		2.9				
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.77
Assessment = A						
A2 = 2.32 + 0.4	5					

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91308	2.77	2.0	2.0	1.5	1.0	0.5	1.0	0.5	1.2	1.0	1.5
CO contribution to PO OR COPO Attainment (A2*PO/max att. Level i.e.3)		1.85	1.85	1.39	0.92	0.46	0.92	0.46	1.11	0.92	1.39
						1.13	3				