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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. I SEMESTER

Course Name - Physical Chemistry

Course Code - CH91105

Credit- 4

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

<u>SUMMARY OF COURSE OUTCOME ATTAINMENT USING (DIRECT &INDIRECT) TOOLS</u>

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2.25	2.5	2.25	2	1.75	2.15				
Assessment										
D	3									
Overall CO at	Overall CO attainment = 80% Direct Assessment + 20% Indirect									

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91105	2.83										
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 2021-22

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	3	1.75	1.5	1.75	2.0			
Assessment									
Direct Assessment = CIE + SEE = A1									
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.8			
Assessment = $A2$									
A2 = 2.4 + 0.4									

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91106	2.8	1.6	1.8	1.4	.8	0.375	2	.8	1.8	1	2
CO contribution to PO (OR) COPO Attainment (A2*PO/3)											
		1.49	1.68	1.31	0.75	0.35	1.87	0.75	1.68	0.93	1.87
						1.268	8				

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

COURSE ASSESSMENT SHEET FOR 2021-22

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	2.19			
Assessment						
Direct Assessi	03					
Overall CO att	ainment	= 80% Di	rect Assessr	ment + 20%	Indirect	2.84
Assessment = A						
A2 = 2.4 + 0.44						

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91107	2.84	2	2	2	1.2	0.8	2	1.2	1.8	1.2	2
CO contribution to PO OR											
COPO Attainment		1.89	1.89	1.89	1.14	0.76	1.89	1.14	1.70	1.14	1.89
						1.53 3	<mark>,</mark>				

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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. I SEMESTER

Course Name – Chemistry of Engineering Materials Course Code -CH91108

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr. Madhavi Verma

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

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2	2.5	1.75	1.75	1.5	2.38				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.88				

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91108	2.88	1	1.2	1.6	1.8	1.2	1.6	1.2	1.8	1.6	1.8
CO											
contribution											
to PO OR											
COPO											
Attainment		0.96	1.15	1.54	1.73	1.15	1.54	1.15	1.73	1.54	1.73
	1.422										

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

COURSE ASSESSMENT SHEET FOR 2021-22

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	1.5	2.25	1.5	2	1.95
Assessment						
Direct Assessi	2.3					
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.23
Assessment = A	12					
A2 = 1.84 + 0.3	9					

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CH91205	2.23	2	1.4	1.2	0.2	0.2	1	0.4	1	1	1.8
CO contribution to PO OR											
COPO Attainment		1.49	1.04	0.89	0.15	0.15	0.74	0.30	0.74	0.74	1.34
	<mark>0.758</mark>										

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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. II SEMESTER

Course Name - Modern Analytical Methods Course Code -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	2.5	2	2.25	1.75	2.105				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	ainment	= 80% Di	rect Assessi	ment + 20%	Indirect	2.82				
Assessment = A	12									
A2 = 2.4 + 0.42										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91206	2.82	1.8	1.8	1.8	0.4	0.2	1.6	0.2	0.8	0.8	1.8
CO											
contribution											
to PO OR											
COPO											
Attainment											
		1.69	1.69	1.69	0.38	0.19	1.50	0.19	0.75	0.75	1.69
					•	1.05	2	•	•	•	•

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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. II SEMESTER

Course Name – Natural Products Course Code -CH91207

Credit- 4

Corresponding lab course name-Nil

Name of the Faculty: Dr. Madhavi Verma

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

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2.5	2.5	2	2.25	1.5	2.15				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	ainment	= 80% Di	rect Assessi	ment + 20%	Indirect	2.83				
Assessment = A										
A2 = 2.4 + 0.43										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91207	2.83	1	1	1	0.6	1	1	1	1	0.6	2
CO contribution to PO OR											
COPO Attainment		0.94	0.94	0.94	0.57	0.94	0.94	0.94	0.94	0.57	1.89
	0.962										

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

COURSE ASSESSMENT SHEET FOR 2021-22

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	2.25	2.25	2.25	1.5	2.05
Assessment						
Direct Assessi	03					
Overall CO att	ainment	= 80% Dia	rect Assessr	ment + 20%	Indirect	2.81
Assessment = A						
A2 = 2.4 + 0.41						

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91209		1.2	1	1.2	0.8	0.8	1.2	0.8	2	0.8	2
CO contribution to PO OR											
COPO Attainment		1.12	0.94	1.12	0.75	0.75	1.12	0.75	1.87	0.75	1.87
	1.105										

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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. III SEMESTER

Course Name - Chemistry of Drugs (Natural) Course Code - CH91305

Credit- 4

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

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

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	1.75	2.5	2.25	1.75	1.5	1.95				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	ainment	= 80% Di	rect Assessr	nent + 20%	Indirect	2.79				
Assessment = A	12									
A2 = 2.4 + .39										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91305	2.79	1	1	0.8	0.8	0.6	1	0.4	1	0.4	1.4
CO contribution to PO OR											
COPO Attainment		0.93	0.93	0.74	0.74	0.56	0.93	0.37	0.93	0.37	1.30
	0.782										

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

COURSE ASSESSMENT SHEET FOR 2021-22

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	2	2.25	2	1.75	2.0				
Assessment										
Direct Assessi	2.3									
Overall CO att	ainment	= 80% Di	rect Assessr	ment + 20%	Indirect	2.24				
Assessment = A2										
A2 = 1.84 + 0.4	•									

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
СН91306	2.2	1	1	1	1	1	1	1	2	1	2
CO contribution to PO OR											
COPO Attainment		0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.49	0.75	1.49
						0.89	<u> </u>				I

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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. III SEMESTER

Course Name – Computer Applications in Chemistry Course Code - CH91307
Credit- 4
Corresponding lab course name-Nil

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

Tool	CO1	CO2	CO3	CO4	CO5	Average					
Indirect	2	2.5	2	1.75	1.5	1.95					
Assessment											
Direct Assessi	Direct Assessment = CIE + SEE = A1										
Overall CO att	Overall CO attainment = 80% Direct Assessment + 20% Indirect										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course Code	A2	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
СН91307	2.79	2	1	1.6	0.2	0.4	1	1	2	1	2
CO contribution to PO OR											
COPO Attainment		1.86	0.93	1.488	0.186	0.372	0.93	0.93	1.86	0.93	1.86
		1.135									

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

COURSE ASSESSMENT SHEET FOR 2021-22

M.Sc. III SEMESTER

Course Name – Advanced Organic and Medicinal Chemistry

Course Code -CH91308

Credit- 4

Corresponding lab course name-Nil

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

Tool	CO1	CO2	CO3	CO4	CO5	Average				
Indirect	2	2	1.75	2	2	1.95				
Assessment										
Direct Assessment = CIE + SEE = A1										
Overall CO att	ainment	= 80% Di	rect Assessn	nent + 20%	Indirect	2.79				
Assessment = A2										
A2 = 2.4 + 0.39										

CO CONTRIBUTION TO PROGRAMME OUTCOMES (CO PO Attainment)

Course	A2	PO1	PO ₂	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Code											
CH91308	2.79	1.8	1.6	1.4	0.6	0.6	1.2	0.6	1	0.8	1.8
CO											
contribution											
to PO OR											
COPO											
Attainment											
(A2*PO/max											
att. Level											
i.e.3)		1.67	1.49	1.30	0.56	0.56	1.12	0.56	0.93	0.74	1.67
	1.06										