

B.L.D.E.ASSOCIATION'S
SB ARTS AND K.C.P. SCIENCE COLLEGE, VIJAYAPUR
RE-ACCREDITED AT THE 'B⁺⁺' LEVEL
Master of Science

Department of PG Chemistry-2023-24

MAPPING OF COURSE OUTCOMES WITH PROGRAM OUTCOMES

SEM: I PAPER: Inorganic Chemistry-I(Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	2	3	1	2	3
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1
CO4	-	3	1	-	3	1	-
CO5	3	3	-	-	3	-	3
CO6	1	3	2	1	3	2	2

SEM: I PAPER: Inorganic Chemistry Practicals -I (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	3	1	-	3	1	-
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1

SEM: I PAPER: Organic Chemistry-I (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	2	1	3	2	2
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1
CO4	-	3	1	-	3	1	-
CO5	-	2	1	3	3	1	1

SEM: I PAPER: Organic Chemistry Practicals -I (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	-	-	2	1	-
CO2	-	1	2	1	3	2	1
CO3	-	2	1	3	3	1	1

SEM: I PAPER: Physical Chemistry-I (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	2	2	-	3	2	2
CO2	1	1	3	1	3	1	1
CO3	-	2	1	2	2	1	1
CO4	1	2	1	-	3	-	-
CO5	-	2	1	3	3	1	1

SEM: I PAPER: Physical Chemistry Practicals -I (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	-	-	2	1	-
CO2	1	1	2	1	1	2	1
CO3	2	2	1	3	3	1	1

SEM: I PAPER: Spectroscopy-I (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	2	2	1	2	2	2
CO2	1	1	3	1	3	3	1
CO3	2	2	1	3	-	1	1
CO4	-	3	1	-	3	1	-
CO5	1	2	1	3	1	1	-

SEM: I PAPER: Analytical Chemistry-I (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	3	2	1	3	2	2
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	32	1	1
CO4	1	3	1	-	3	1	-
CO5	-	2	1	3	3	1	1

SEM: II PAPER: Inorganic Chemistry-II (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	2	1	1	2	3
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	-
CO4	-	3	1	-	2	1	-
CO5	2	3	-	-	3	-	3
CO6	1	3	2	1	3	2	2

SEM: II PAPER: Inorganic Chemistry Practicals - II (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	3	1	-	3	1	-
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1

SEM: II PAPER: Organic Chemistry- II (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	2	1	2	2	2
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1
CO4	2	3	1	-	-	1	-
CO5	-	2	1	3	3	1	1

SEM: II PAPER: Organic Chemistry Practicals - II (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	-	-	2	1	-
CO2	-	1	2	1	-	2	1
CO3	1	2	1	3	3	1	1

SEM: II PAPER: Physical Chemistry- II (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	2	2	-	3	2	2
CO2	1	1	3	1	3	1	1
CO3	-	2	1	2	2	1	1
CO4	2	2	1	-	-	-	-
CO5	-	2	1	3	3	2	1

SEM: II PAPER: Physical Chemistry Practicals - II (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	1	-	2	1	-
CO2	1	1	2	1	1	2	1
CO3	1	2	1	3	1	1	1

SEM: II PAPER: Spectroscopy- II (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	2	2	1	2	2	2
CO2	1	1	3	1	3	3	1
CO3	2	2	1	3	-	1	1
CO4	-	3	1	-	3	1	-
CO5	1	2	1	2	1	1	-

SEM: III PAPER: Inorganic Chemistry-III (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	2	3	1	2	3
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1
CO4	-	3	1	-	3	1	-
CO5	3	3	-	-	3	-	3
CO6	1	3	2	1	3	2	2

SEM: III PAPER: Inorganic Chemistry Practicals -III (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	3	1	-	3	1	-
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1

SEM: III PAPER: Organic Chemistry-III (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	2	1	3	2	2
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1
CO4	-	3	1	-	3	1	-
CO5	-	2	1	3	3	1	1

SEM: III PAPER: Organic Chemistry Practicals -III (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	-	-	2	1	-
CO2	-	1	2	1	3	2	1
CO3	-	2	1	3	3	1	1

SEM: III PAPER: Physical Chemistry-III (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	2	2	-	3	2	2
CO2	1	1	3	1	3	1	1
CO3	-	2	1	2	2	1	1
CO4	1	2	1	-	3	-	-
CO5	-	2	1	3	3	1	1

SEM: III PAPER: Physical Chemistry Practicals -III (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	-	-	2	1	-
CO2	1	1	2	1	1	2	1
CO3	2	2	1	3	3	1	1

SEM: III PAPER: Spectroscopy-III (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	2	2	1	2	2	2
CO2	1	1	3	1	3	3	1
CO3	2	2	1	3	-	1	1
CO4	-	3	1	-	3	1	-
CO5	1	2	1	3	1	1	-

SEM: IV PAPER: Inorganic Chemistry-IV (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	2	3	2	1	1	2	3
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	-
CO4	-	3	1	-	2	1	-
CO5	2	3	-	-	3	-	3
CO6	1	3	2	1	3	2	2

SEM: IV PAPER: Inorganic Chemistry Practicals - IV (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	3	1	-	3	1	-
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1

SEM: IV PAPER: Organic Chemistry- IV (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	2	1	2	2	2
CO2	1	1	3	1	3	3	1
CO3	-	2	1	3	3	1	1
CO4	2	3	1	-	-	1	-
CO5	-	2	1	3	3	1	1

SEM: IV PAPER: Organic Chemistry Practicals - IV (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	-	-	2	1	-
CO2	-	1	2	1	-	2	1

SEM: IV PAPER: Physical Chemistry- IV (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	2	2	-	3	2	2
CO2	1	1	3	1	3	1	1
CO3	-	2	1	2	2	1	1
CO4	2	2	1	-	-	-	-
CO5	-	2	1	3	3	2	1

SEM: IV PAPER: Physical Chemistry Practicals - IV (Practicals)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	1	3	1	-	2	1	-
CO2	1	1	2	1	1	2	1
CO3	1	2	1	3	1	1	1

SEM: IV PAPER: Spectroscopy- IV (Theory)

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	1	2	1	2	2	2
CO2	1	1	3	1	3	3	1
CO3	2	-	1	3	-	1	1
CO4	-	3	-	-	3	-	-
CO5	2	2	1	-	1	1	1

SEM: IV PAPER: Project /Dissertation

Course Outcomes	Program Outcomes						
	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	1	-	1	1	2	1
CO2	1	-	1	1	2	1	-
CO3	1	1	1	2	1	1	1



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