

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

Bachelor of Science

Department of Physics

MAPPING OF COURSE OUTCOMES WITH PROGRAM OUTCOMES

Academic year: 2023-24

SEM: I

PAPER: Mechanics and properties of matter

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	-	2	3	-	-	3	3
CO2	3	3	3	3	2	-	2	-	-	3
CO3	3	-	3	3	-	-	2	-	-	2
CO4	3	-	3	2	-	-	2	-	-	3
CO5	3	-	3	2	-	-	2	-	-	3
CO6	3	-	3	-	3	-	2	-	-	3
CO7	3	2	3	3	3	2	3	3	-	3
CO8	3	2	3	2	-	2	2	-	-	2
CO9	3	2	3	2	2	2	2	3	3	2

SEM: I

PAPER: Theory based Practical's on Mechanics and properties of matter

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	2	-	2	3	-	2	3
CO2	3	-	3	3	2	2	3	-	-	3
CO3	3	-	3	3	2	3	3	-	-	3
CO4	3	3	3	-	2	3	3	2	2	3
CO5	3	3	3	2	-	2	2	3	-	3

SEM: I**PAPER: Energy Sources**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	3	-	-	3	-	2	3
CO2	2	-	3	2	3	2	-	-	-	2
CO3	3	-	2	3	2	3	2	-	-	3
CO4	3	2	3	-	3	2	3	3	2	3
CO5	2	3	2	3	-	3	2	3	2	2
CO6	3	3	2	2	3	3	-	-	3	3

SEM: II**PAPER: Electricity & Magnetism**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	2	3	3	3	3	2	2	-
CO2	3	2	2	2	2	3	3	3	-	-
CO3	3	2	2	3	2	2	3	2	-	-
CO4	3	-	-	2	2	3	3	3	2	3
CO5	3	-	-	2	3	3	3	2	-	2
CO6	3	-	-	3	2	2	3	3	3	3
CO7	3	2	3	3	3	2	2	2	3	2

SEM: II**PAPER: Theory based Practical's on Electricity & Magnetism**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	2	2	3	3	-	2	2
CO2	3	2	-	3	3	2	3	-	3	3
CO3	3	3	-	2	2	2	3	2	2	-
CO4	3	2	-	3	3	2	3	3	-	-
CO5	3	3	2	-	2	2	3	2	-	-
CO6	3	2	3	-	3	2	3	3	3	3

SEM: II**PAPER: Optical Instruments**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	-	3	2	-	2	2	-	3
CO2	3	2	2	2	2	-	3	2	-	2
CO3	3	3	3	3	3	-	3	2	-	3
CO4	3	2	-	2	2	2	3	2	3	2
CO5	3	3	-	-	3	3	3	2	3	3

SEM: III**PAPER: Wavemotion and Optics**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	-	2	-	2	-	3	2
CO2	3	3	2	-	3	-	3	-	2	3
CO3	3	2	3	-	2	-	2	-	3	2
CO4	3	3	2	3	3	3	3	2	2	3
CO5	3	2	3	3	2	3	2	3	3	2

SEM: III**PAPER: Theory based Practical's On Wave motion and Optics**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	-	2	-	2	-	3	2
CO2	3	3	2	-	3	-	3	-	2	3
CO3	3	2	3	-	2	-	2	-	3	2
CO4	3	3	2	3	3	3	3	2	2	3
CO5	3	2	3	3	2	3	2	3	3	2

SEM: III**PAPER: Climate Science**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	-	3	2	-	2	2	-	3
CO2	3	2	2	2	2	-	3	2	-	2
CO3	3	3	3	3	3	-	3	2	-	3
CO4	3	2	-	2	2	2	3	2	3	2
CO5	3	3	-	-	3	3	3	2	3	3

SEM: IV**PAPER: Thermal physics and Electronics**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	2	2	3	3	-	2	2
CO2	3	2	-	3	3	2	3	-	3	3
CO3	3	3	-	2	2	2	3	2	2	-
CO4	3	2	-	3	3	2	3	3	-	-
CO5	3	3	2	-	2	2	3	2	-	-
CO6	3	2	3	-	3	2	3	3	3	3

SEM: IV**PAPER: Theory based Practical's On Thermal physics and Electronics**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	-	3	2	-	2	2	-	3
CO2	3	2	2	2	2	-	3	2	-	2
CO3	3	3	3	3	3	-	3	2	-	3
CO4	3	2	-	2	2	2	3	2	3	2
CO5	3	3	-	-	3	3	3	2	3	3

SEM: V**PAPER: Paper I Classical Mechanics and Quantum Mechanics -I**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	3	3	2	-	-	3	-	3
CO2	3	-	3	3	3	-	-	3	-	3
CO3	3	-	3	3	2	-	-	-	-	3
CO4	3	-	3	3	3	-	-	3	-	3
CO5	3	-	3	3	3	-	-	3	-	3

SEM: V**PAPER: Theory based Practical's On Classical Mechanics and Quantum Mechanics-I**

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	2	3	3	-	3
CO2	3	2	3	3	3	1	3	3	-	3
CO3	3	2	3	3	3	2	3	3	-	3
CO4	3	3	3	3	3	1	3	3	-	3
CO5	3	3	3	3	3	1	3	3	-	3
CO6	3	3	3	3	3	2	3	3	-	3

SEM: V

PAPER: Paper II Elements of Atomic, Molecular & Laser Physics

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	3	3	2	-	-	3	-	3
CO2	3	-	3	3	3	-	-	3	-	3
CO3	3	-	3	3	2	-	-	-	-	3
CO4	3	-	3	3	3	-	-	3	-	3
CO5	3	-	3	3	3	-	-	3	-	3

SEM: V

PAPER: Theory based practicals on Elements of Atomic, Molecular & Laser Physics

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	3	3	3	3	3	3	-	3
CO2	3	2	3	3	3	3	3	3	-	3
CO3	3	2	3	3	3	1	3	3	-	3
CO4	3	3	3	3	3	3	3	3	-	3
CO5	3	3	3	3	3	2	3	3	-	3

SEM: VI

PAPER: Paper I Elements of Condensed Matter & Nuclear Physics

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	3	3	3	-	-	3	-	3
CO2	3	-	3	3	3	-	-	3	-	3
CO3	3	-	3	3	3	-	-	2	-	3
CO4	3	-	3	3	3	-	-	-	-	3
CO5	3	-	3	3	3	-	-	-	-	3
CO6	3	-	3	3	3	-	-	2	-	3

SEM: VI

PAPER: Theory based practicals on Elements of Condensed Matter & Nuclear Physics

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	1	3	3	3	1	3	3	-	3
CO2	3	2	3	3	3	2	3	3	-	3
CO3	3	1	3	3	3	3	3	3	-	3
CO4	3	2	3	3	3	3	3	3	-	3
CO5	3	3	3	3	3	2	3	3	-	3

SEM: VI

PAPER: Paper II Electronic Instrumentation & Sensors

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	3	3	3	1	-	-	-	3
CO2	3	-	3	3	3	2	-	-	-	3
CO3	3	-	3	3	3	2	3	3	-	3
CO4	3	-	3	3	3	3	3	3	-	3
CO5	3	1	3	2	3	3	2	2	2	3
CO6	3	2	3	3	3	3	3	3	3	2
CO7	2	3	3	2	3	3	2	2	3	3
CO8	3	-	3	3	2	3	3	3	3	2
CO9	3	-	3	2	2	3	2	2	3	3
CO10	3	-	3	3	3	2	3	3	-	3

SEM: VI

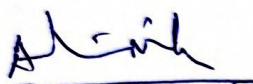
PAPER: Theory based practicals on Electronic Instrumentation & Sensors

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	-	3	3	3	1	3	3	-	3
CO2	3	-	3	3	3	2	3	2	-	3
CO3	3	-	3	3	3	2	3	3	-	3
CO4	3	-	3	3	3	3	3	2	-	3
CO5	3	-	3	3	3	3	3	2	-	3

SEM: VI

PAPER: Project

Course Outcomes	Program Outcomes									
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	2	3	3	3	1	3	3	1	3
CO2	3	3	3	3	3	2	3	2	3	3



HOD

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IQAC Co-ordinator

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