

Koyana Education Society Patan
Balasaheb Desai College Patan
Monthly Teaching Plan
Year 2023-24

Department: Physics

Class: B.Sc. Part – III, Paper No.: IX & XI

Month: August 2023

Class: B. Sc. II Practical

Name of the teacher: Dr. Mrs. Kumbhar Sneha Suyash

| Date / Day | Time | Class | Units / Sub-units | Teaching methods / ICT Used |
|-------------------------|-------------|--------------------|---|-----------------------------|
| 21/08/2023 Monday | 12.15-1.05 | B. Sc. III P-IX | UNIT-I 1. Partial Differential Equation Introduction to differential equations, Method of separation of variables for solving second order partial differential equations | Lecture |
| | 1.15-5.25 | B. Sc. III | Practical | |
| 22/08/2023 Tuesday | 10.30-1.00 | B. Sc. II | Practical | |
| 23/08/2023 Wednesday | 12.15-1.05 | B. Sc. III P-IX | Form of two-dimensional Laplace differential equation in Cartesian coordinates and its solution | Lecture |
| | 1.15-5.52 | B. Sc. III | Practical | |
| 24/08/2023 Thursday | 11.20-12.15 | B. Sc. III P-IX | Three-dimensional partial differential equation in Cartesian coordinates and its solution | Lecture |
| | 12.15-1.05 | B. Sc. III P-XI | UNIT-I 1. Lagrangian Formulation Constraints, Degrees of freedom, Generalized coordinates | Lecture |
| 25/08/2023 Friday | 11.20-12.15 | B. Sc. III P-XI | Principle of virtual work, D'Alembert's principle, | Lecture |
| 26/08/2023 Saturday | 12.15-1.05 | B. Sc. III P-XI | Lagrange's equation from D'Alembert's principle | Lecture |
| 28/08/2023 Monday | 12.15-1.05 | B. Sc. III P-IX | The differential equation of progressive wave and its solution | Lecture |
| | 1.15-5.25 | B. Sc. III | Practical | |
| 29/08/2023 Tuesday | 10.30-1.00 | B. Sc. II | Practical | |
| 30/08/2023 Wednesday | 12.15-1.05 | B. Sc. III P-IX | Discussion and Revision | Brainstorming |

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|------------------------|-------------|--------------------|--|---------------|
| | 1.15-5.52 | B. Sc. III | Practical | |
| 31/08/2023 Thursday | 11.20-12.15 | B. Sc. III P-IX | Question and answer | Brainstorming |
| | 12.15-1.05 | B. Sc. III P-XI | Applications of Lagrange's equation to a particle in space | Lecture |

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Name of the Teacher
(Dr. Sneha S. Kumbhar)

[Signature]

Head of the
Physics Department