ANNAI VIOLET ARTS AND SCIENCE COLLEGE
DEPARTMENT OF PHYSICS

CONTINUOUS INTERNAL ASSESSMENT-I (ODD SEM)

Subject: Physics – 1 (Theory)

Class: II B.Sc., Chemistry   **Date: 05.09.2022-FN**

Max. Marks: 50   **Sub. Code: SR3AA**

PART A (5 × 2 = 10 Marks)
Answer any FIVE questions

1. Mention the bulk modulus
2. Define Rigidity modulus
3. State Poisson's ratio
4. What is viscosity?
5. Briefly - explain Bernoullie's principle
6. Give the definition of Specific heat of solid
7. Obtain Wien's displacement law and Rayleigh Jean's law

PART B – (2× 5 = 10 Marks)
Answer any TWO questions

8. Discus the Torsion of a wire- expression for Torque (couple) per unit test
9. Describe, comparison of the co-efficient of viscosity using burette method.
10. Explain the distribution of energy in a block body radiation

PART C – (3 × 10 = 30 Marks)
Answer ALL questions

11. Derive the expression for the bending moment of beam
12. Explain Bernoullie's theorem with derivation
13. Determine the thermal conductivity of bad conductor using Lee's disc method

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