Course Code: PHS 2471   **Time: 3 Hours**

Course Title: Physics for Chemists   **Max. Mark: 75**

Answer any FIVE questions: **5 X 15 =75 marks**

1. Explain in detail about Interference in thin films with diagram.

2. Describe Fraunhofer diffraction by a single slit with diagram

3. State Gauss's law. Give any one of its applications in detail.

4. Describe the construction and working of transformer.

5. Obtain the expression for finding the effective resistance of the resistors connected in series and parallel combination.

6. What is rectification? Explain the construction and working of Full wave rectifier.

7. Give the logic symbol, expression and working of Basic gates. Also verify its truth table

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