

Roll No.

Total No. of Questions : 7]
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UG (CBCS) IInd Year Annual Examination
2806

B.Sc. PHYSICS
(Physics Workshop Skills)
(SEC-I)

Paper : PHYS 203 TH

Time : 3 Hours]

[Maximum Marks : 50

Note :- Attempt any *five* questions. Each question carries equal marks.

1. (a) What is a screw gauge ? Discuss positive and negative error in screw gauge. 5

(b) What is a Sextant ? Explain the process of measuring height of accessible objects with the help of sextant. 5

2. What is joint welding ? Discuss the welding types with advantages and disadvantages.

3. What is P-N-Junction diode ? Classify various types of diodes in detail.

4. (a) Discuss the construction and working of milling machine.

(b) Distinguish between analog and digital multimeter.

5. What is a shaper ? Explain working of shaper with diagram.

6. What is a thermal power plant ? Discuss advantages and disadvantages of thermal power plant.

Write short notes on the following :

2×5=10

- (a) Zero error in vernier caliper
- (b) Principle of capacitor
- (c) Advantages of nuclear power plant
- (d) Application of CRT
- (e) Derived units