Sessional Examination, 2021

B.Sc. Third Semester

PHY-SE-3014

Subject: Physics (Honours & Generic)   Paper: Skill Enhancement Course

Time: 1 hour   Full Marks: 20

Answer any TWO from the following questions:

1. Define SI and CGS unit. Explain, how would you convert to SI unit from CGS unit and vice-versa by using dimensional method.   2+8=10

2. Define Vanier Constant and Least Count and hence deduce their expressions. How would you determine the volume of a Metallic Block using Slide Callipers. $2 \times 5 = 10$

3. Write briefly on different types of manufacturing methods such as Casting, Foundry, Machining, Forming and Welding. $2 \times 5 = 10$

4. Draw the symbolic diagrams of Capacitor, Inductor, PN-Diode, Transistor (NPN and PNP) and IC as use in electronic circuits. $2 \times 5 = 10$