

**Sessional Examination 2023**

**Sub: Physics**

**Paper: PHY-HC-2026**

**TIME: 1 hour**

**FULL MARKS: 20**

1. State the superposition principle of wave. 2
2. Calculate the resultant displacement of two waves after superpose. 5
3. Find the displacement, velocity and acceleration of a particle executing in SHM. 6
4. Write the linearity principle. Express its mathematical expression. 2+5=7