

**Sessional Examination 2023**

**Sub: Physics**

**Paper: PHY-HC-6016**

**TIME: 1 hour**

**FULL MARKS: 20**

1. Write the Maxwell equations. Define displacement current. 3+2=5
  2. Define vector and scalar potential. 5
  3. Find the boundary condition at interface between different media. 5
  4. What is Poynting theorem and Poynting vector? 5
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