

**Sessional Examination 2023**

**Sub: Physics**

**Paper: PHY-HC-4026**

**TIME: 1 hour**

**FULL MARKS: 20**

1. State few properties of Nucleus. 5
  2. What is binding energy? Find the expression for binding energy. 2+3
  3. What is half life? Find the expression for half of radioactive nuclei. 5
  4. What is nuclear fission and fusion? State the elements of nuclear reactors. 2+3
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