

**Sessional Examination 2023**

**Sub: Physics**

**Paper: PHY-HC-4036**

**TIME: 1 hour**

**FULL MARKS: 20**

1. Write the classification of class A, B and C amplifiers. 5
2. What do you mean by biasing of a transistor? Explain the potential divider method of biasing and calculate the stability factor. 5
3. State the characteristics of ideal and practical OPAMP. 5
4. Define open loop and close loop gain of OPAMP. Find the CMRR of an OPAMP. 2+3