

MINOR 1
Total Marks 20

1. Write the circuit diagram for (i) Half wave rectifier, (ii) full wave rectifier and (iii) Bridge rectifier – Also schematically show input and output for each of them - **6 marks**
2. Write the circuit diagram for Common Emitter, Common Base and Common collector configuration for an npn transistor – **3 marks**
3. Write the matrix form equation for the h parameters. Indicate relevance of each of the h parameters – h_{11} , h_{12} , h_{21} and h_{22} . - **5 marks**
4. Write the circuit diagram for a common emitter amplifier, label the components and write the expression for the gain factor – **6 marks**