

DEPARTMENT OF ELECTRICAL ENGINEERING
INTERNAL ASSESSMENT, SESSION 22-23(S)
TH- 2 , ANALOG ELECTRONICS & OP-AMP
4TH SEMESTER **F.M=20 TIME- 1 Hr**

Answer all the questions

[2X5=10]

1. A)WHAT IS RIPPLE FACTOR? RIPPLE FACTOR OF HALF WAVE RECTIFIER-----.
- B)WHAT IS PIV ? PIV OF HALF WAVE RECTIFIER-----
- C)WHAT IS CUTIN VOLTAGE ? CUT IN VOLTAGE FOR SILICON DIODE-----.
- D)WHAT IS CUTOFF & SATURATION REGION OF TRANSISTOR.
- E) WRITE TWO POINTS ABOUT THEMISTOR & SENSISTOR.

Answer any two questions

[5X2 =10]

- 2.WHAT IS RECTIFIER ? DRAW THE CIRCUIT DIAGRAM OF FULL WAVE BRIDGE RECTIFIER WITH OPERATION AND ALSO DRAW THE INPUT & OUTPUT WAVEFORM .WRITE TWO DISADVANTAGES & ADVANTAGES OF FULLWAVE BRIDGE RECTIFIER.
- 3.WHAT IS P-N JUNCTION DIODE ? EXPLAIN THE MECHANISIM OF CURRENT FLOW OF P-N JUNCTION DIODE.DRAW THE V-I CHARACTERSTICS OF THE DIODE.
- 4.STATE THE RELATION BETWWEN α , β ,& v . EXPLAIN THE INPUT & OUTPUT CHARACTERSTICS OF CE CONFIGURATION OF TRANSISTOR.