

Note :- All questions from each section carry equal marks. All questions are compulsory and answer limit are approximately 250 words. Start the answer of each section from new page. Maximum limit of pages of answer booklet are approximately 16 pages. Answer should be written by the student in his/her own handwriting mandatory. The first page of answersheet should be download by the student from university website www.bubhopal.ac.in is mandatory.

/Section-A

**(Thyristors, IC Technology, Microprocessor &
Electrical Motors)**

[Maximum Marks : 40]

1.

Explain structure description, working and characteristics curve of unijunction transistor.

2.

Explain full wave rectifier using SCR with resistive and capacitive load.

/Section-B

(Communication Electronics)

[Maximum Marks : 40]

3. Explain skip distance, and derive its formula.

4. Explain phase modulation.