

Total No. of Questions : 6]

[Total No. of Printed Pages : 3

EH-243

B.E. Ist Semester (CGPA) Inform. Tech.

Examination, 2019

Electronics Devices & Circuits

Paper - IT - 104

Time : 3 Hours]

[Maximum Marks : 60

Note :- Attempt all questions. Each questions carry equal marks.

1. Explain any three

- (i) Schottky diode
- (ii) Stabilisation techniques
- (iii) Strain gauge
- (iv) LC Oscillalar

EH-243

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- (v) Multi vibrator.
2. Explain zener diode regulators with suitable diagram. Also discuss its application.

OR

Explain

- (i) Full wave rectifier
- (ii) Point contact diode
3. Explain various stabilisation techniques and explain concept of stability factor.

OR

Compare BJT and FET. Also explain working of a transistor as an amplifier.

4. Explain lissajous figures also discuss its application

OR

Explain

- (i) Dual trace CRO
- (ii) Dual beam CRO
5. Explain feedback theory compare current and voltage feedback.

EH-243

(2)

OR

Explain

(i) Direct coupled amplifier

(ii) Darlington configuration

6. Explain idea characteristics of operational amplifier. compare investing & non - investing mode of OPAMP.

OR

Explain zero-crossy detectors and comparators.

EH-243

(3)

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