

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

QUESTION BANK

Unit Test-II (Shift:-I & II)

Program: - EJ/IS

Semester: - III

Course:- APPLIED ELECTRONICS (22329)

Unit 3 FEEDBACK AMPLIFIERS

Question For 2 Marks

1. Define feedback.state types of feedback.
2. State the meaning of positive and negative feedback.
3. State the types of negative feedback.
4. Why negative feedback used in amplifier.
5. State advantages of negative feedback.

Question For 4 Marks

6. State the meaning of positive and negative feedback with sketch.
7. Compare positive and negative feedback.
8. List the types of feedback connection .draw any one connection diagram.
9. Draw block diagram of voltage shunt and voltage series feedback.
10. State the effect of negative feedback on 1.bandwith 2.noise 3.gain 4.distortion

Unit 4 Oscillators

Question For 2 Marks

11. Define Oscillators.
- 12.. Compare Oscillator and Amplifier.
- 13.. State the Barkhausen criteria.
14. Classify Oscillators.
- 15.. Design aRC phase shift oscillators to produce a sinusoidal output at 1 KHZ.

Question for 4 Marks

16. Draw and Explain RC phase shift Oscillators.
- 17..Define Oscillator and state the need of oscillators.
- 18.Describe the working principle crystal oscillators with circuit diagram,
- 19.Compare RC LC and crystal oscillators.
- 20.Classify time base generators.state its applications.
- 21.Draw and Explain Miller Sweep generators.

Unit – 5 IC VOLTAGE REGULATORS AND SMPS.

Question For 2 Marks

- 22.Define load regulation and line regulation.
- 23.Classify IC voltage regulators.
- 24.State the function of 78XX and 79XX.
25. List applications of IC 723.
- 26.State advantages and Disadvantages of linear regulator.

Question for 4 Marks

27. Draw and Explain DC regulated power supply.
 28. Draw and Explain Dual polarity power supply.
 - 29.Draw and explain IC723.
 - 30.Explain IC LM317.
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