

Qus to A/c



QP CODE: 19101817

19101817

Reg No :

Name :

B.Sc. DEGREE (CBCS) EXAMINATION, MAY 2019

Second Semester

Core Course - EL2CRT03 - ELECTRONIC CIRCUITS

(Common for B.Sc Electronics and Computer Maintenance Model III, B.Sc Electronics Model III)

2017 ADMISSION ONWARDS

FF929DA3

Maximum Marks: 80

Time: 3 Hours

Part A

Answer any ten questions.

Each question carries 2 marks.

1. Draw the circuit diagram of a Half Wave Rectifier
2. Define Stability Factor.
3. Give any two applications of Emitter Follower
4. What is meant by negative feed back?
5. Name the different feedback amplifier circuits
6. Draw the circuit of a current series feedback amplifier.
7. Define an oscillator.
8. Name different LC Oscillators.
9. Define Cross Over distortion.
10. Define clamping.
11. Define multivibrators.
12. What is meant by a bistable multivibrator?

(10×2=20)

Part B

Answer any six questions.

Each question carries 5 marks.

13. What are filters? Classify them and explain the working of any one.
14. Explain the term load regulation





15. Explain hybrid parameters
16. Explain the working of an RC coupled amplifier
17. List the advantages and disadvantages of negative feedback.
18. Explain various types of feedback in detail
19. Explain an RC phase shift oscillator with a neat sketch
20. Draw the circuit diagram of class – B amplifier and explain it.
21. What is the difference between positive and negative clippers? Explain with the help of the output waveforms.

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **15** marks.

22. Design a zener diode regulator with a neat sketch. Also explain its working as a voltage regulator
23. Describe the working of an FET amplifier with neat circuit diagram.
24. Explain the working of a Class A power amplifier with a neat diagram.
25. With the help of circuit diagrams and waveforms , explain working of RC integrator and RC Differentiator circuits.

(2×15=30)

