

S.B. Roll No.....

ELECTRONICS DEVICES AND CIRCUITS
3rd Exam/ECE/5861/Feb'2021
(For 2018 batch onwards)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any three questions.

3x5=15

- i. Compare different types of multistage amplifiers.
- ii. What is the importance of heat sink?
- iii. Write a note on VCO.
- iv. Briefly explain the working of Colpitt's Oscillator.
- v. Compare series and parallel resonant circuits.
- vi. Discuss the basic concept of clipper circuits.
- vii. With the help of a diagram explain the working of SMPS.
- viii. Explain the working of Op-Amp as integrator.

SECTION-B

Q2. Attempt any one question.

1x10=10

- a. Explain working of transformer coupled amplifier with the help of a diagram.
- b. Explain the working of complimentary symmetry push-pull amplifier with the help of its circuit diagram.
- c. Explain the working of AstableMultivibrator.
- d. Explain any three advantages of negative feedback in detail.