

V.P. & R.P.T.P SCIENCE COLLEGE, V.V.NAGAR

S.Y.B.Sc. Sem-III EXAMINATION

SUB. CODE:-US03CELE01

Electronic-Devices

DATE:-06/10/2017

TIME:-03:00 pm to 04:30 pm

MARKS-25



Q-1 Choose correct answer

[3]

1. Reactance of Inductor is given by $X_L =$ _____
(A) $2\pi fL$ (C) $1/2\pi fC$
(B) $1/2\pi f$ (D) None of these
2. Pure Semi conductor material is referred as _____
(A) Intrinsic (C) Sink
(B) Extrinsic (D) None of these
3. The output of a voltage doubler is _____ volt.
(A) DC (C) AC-DC
(B) AC (D) None of these

Q-2 Short answer type question. (any two)

[04]

1. Write a note on Wire Wound Resistor.
2. Write a note on P-type semiconductor.
3. Define amplitude modulation .

Q.3 List different types of fixed resistors and explain any three in detail.

[06]

OR

Q.3 List different types of fixed capacitors and explain any three in detail.

[06]

Q.4 Give an account of step voltage response of RL circuit.

[06]

OR

Q.4 Give an account of Forward Biased PN Junction Diode in detail, Also draw forward characteristics of silicon and germanium junction diodes.

[06]

Q.5 Give an account of amplitude modulation and derive necessary derivations.

[06]

OR

Q.5 List different types of applications of diode and explain any two in detail.

[06]