

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

INTERANAL EXAM

S.Y.B.Sc(SEM-III) ELECTRONICS

SUB: - Analog Communication

SUB CODE: US03CELE21

DATE:-05/10/2019

TIME: 3:00 pm to 4:15 pm

MARKS-25

Q-1 Choose correct answer [05]

1. Reactance of an inductance is given by $X_L =$ _____.
(A) $2\pi FL$ (C) R
(B) $1/2\pi FC$ (D) None of above
2. Cermet resistor are made from metal & _____.
(A) glass (C) conductor
(B) semiconductor (D) None of above
3. Pure semiconductor material is known as _____ material.
(A) extrinsic (C) metal
(B) intrinsic (D) None of above
4. Diode clamper circuit is used in _____.
(A) T.V (C) power supply
(B) radio (D) None of above
5. A tunnel diode is some time called _____.
(A) Esaki diode (C) BJT
(B) FET (D) None of above



Q-2 List different types of fixed resistor and explain any two . [05]

OR

Q-2 List different types of fixed capacitors and explain any two . [05]

Q-3 Give an account of step voltage response of RL circuit. [05]

OR

Q-3 Explain forward bias PN junction diode in detail with necessary figure and also discuss temperature effect on forward bias current. [05]

Q-4 Write an note on voltage doubler and peak rectifier. [05]

OR

Q-4 Give an account of amplitude modulation. [05]

Q-5 Explain voltage variable capacitor diode in detail. [05]

OR

Q-5 Give an account of thermistor. [05]