



V.P. & R.P.T.P SCIENCE COLLEGE
INTERANAL EXAM
S.Y.B.Sc (IIIrd SEM.) ELECTRONICS

SUB. CODE:-US03CELE01
TIME:3:00 TO 4:30 PM

DATE:-03/10/2016
MARKS-25

- Q-1 Choose correct answer [3]
- Reactance of inductor is given by $X_L =$ _____.
(A) $2\pi FL$ (C) $2\pi FR$
(B) $2\pi FC$ (D) none of above
 - The output of a voltage multiplier is ____ volt.
(A) DC (C) AC-DC
(B) AC (D) none of above
 - Pure semiconductor material is referred as ____ material.
(A) intrinsic (C) extrinsic
(B) dopped (D) none of above
- Q-2 Short answer type question.(attempt any two) [4]
- List different types of inductor and explain any one.
 - Define modulation.
 - Write a note on temperature effect on reverse bias junction diode.
- Q-3 List types of fixed resistor and explain any three in detail. [6]
- OR
- Q-3 List types of fixed capacitor and explain any two in detail. [6]
- Q-4 Give an account of step voltage response of RL circuit. [6]
- OR
- Q-4 Give an account of reverse bias PN junction diode. [6]
- Q-5 Explain amplitude modulation drawing waveforms and derrive necessary derivations. [6]
- OR
- Q-5 Explain working of any two drawing necessary diagram. [6]
- peak rectifier
 - diode clamper
 - voltage multiplier
