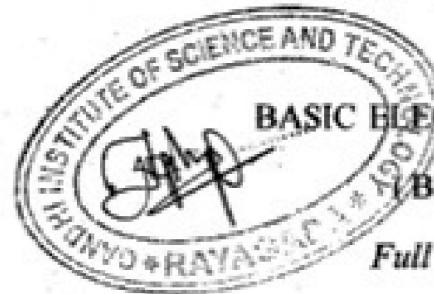


Total Pages—3

II—Sem/COMMON/2014(S)

(New)



BASIC ELECTRONICS ENGG

(BET-102)

Full Marks : 70

Time : 3 hours

Answer any five questions

*Figures in the right-hand margin indicate marks*

1. (a) State the uses of IC. 2
- (b) Classify solids according to electrical conductivity with respect to energy band diagram. 5
- (c) Discuss intrinsic and extrinsic semiconductor. Explain the difference between vacuum tube and semiconductor. 7
2. (a) State the basic function of zener diode. 2
- (b) Explain PN junction barrier voltage and junction capacitance. 5

( Turn Over )