

Total No. of Questions : 6]

SEAT No. :

P236

Oct./BE/Insem.-552

[Total No. of Pages : 1

B.E. (E & TC)

ELECTRONIC PRODUCT DESIGN
(2015 Course) (Semester - I) (Elective - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, and Q5 or Q6.
- 2) Assume suitable data, if necessary.
- 3) Figures to the right indicate full marks.

- Q1)** a) Briefly explain the energy coupling mechanisms. [5]
b) Explain the importance vibration test and shock test conducted on electronic product. [5]

OR

- Q2)** a) Define ergonomics and state its objectives and design considerations. [5]
b) Discuss the concept of grounding and shielding with respect to electronic product design. [5]

- Q3)** a) Discuss the different types of prototyping with their advantages and disadvantages. [5]
b) What do you understand by partitioning and decomposing a system, explain with suitable example. [5]

OR

- Q4)** a) Discuss performance analysis and optimization with respect to embedded system design. [6]
b) Discuss the methods of module debug and test. [4]

- Q5)** a) What are software bugs introduced, how to locate and eliminate them. [6]
b) Discuss the risk abatement in software developments. [4]

OR

- Q6)** a) Explain features and limitations of simulators and emulators in embedded system softwares. [5]
b) List the different softwares used in electronic systems and explain criteria for their selection. [5]
