

Total No. of Questions : 6]

SEAT No. :

P5879

[Total No. of Pages : 2

BE/Insem./Oct.-554

B.E. (E & TC)

**ELECTRONIC PRODUCT DESIGN (Elective - II)
(2015 Pattern) (Semester - I)**

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) *Neat diagram must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data if necessary.*

- Q1)** a) Explain the importance of stages in electronic product design. [6]
b) Explain the importance of dry heat test and temperature cycling test for an industrial controller. [4]

OR

- Q2)** a) What is need of grounding, elaborate in detail the types of grounding. [5]
b) Discuss the five elements in successful design of product. [5]

- Q3)** a) Differentiate clearly, functional verses architectural models and specifications verses requirements. [6]
b) Elaborate the terms coupling and cohesion with respect to partitioning. [4]

OR

- Q4)** a) Explain in detail
i) black box test
ii) white box test and
iii) grey box test [6]
b) Write in brief about functional design and egoless design. [4]

P.T.O.

- Q5)** a) What is role of software in user interface, elaborate in detail. [5]
b) What are the tools used for finding software faults in real time embedded system. [5]

OR

- Q6)** a) Explain water fall model of software development with suitable example. [6]
b) State in detail the features of good programming. [4]

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