

Total No. of Questions : 6]

SEAT No. :

P88

OCT. -16/BE/Insem. - 144

[Total No. of Pages : 2

B.E. (E & TC)

ELECTRONIC PRODUCT DESIGN

(2012 Pattern) (Semester - I) (Elective - II) (404185B)

Time : 1Hour]

[Max. Marks :30

Instructions to the candidates:

- 1) *Attempt Q. No.1 or Q. No.2, Q. No.3 or Q. No.4, Q. No.5 or Q. No.6.*
- 2) *Figures to the right indicates full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Assume suitable additional data if necessary.*
- 5) *Use of nonprogrammable calculator is permitted.*

Q1) a) What are the aspects in design for manufacturing? **[4]**

b) Write short notes on any two: **[6]**

- i) Cognitive ergonomics.
- ii) Man machine interface.
- iii) Types of grounding.

OR

Q2) a) What are five elements in designing of a product? **[5]**

b) What is importance of packaging? Explain related factors. **[5]**

Q3) a) How the test plan is formalized? **[4]**

b) Explain: **[6]**

- i) Functional model verses architectural model.
- ii) Specifications verses requirements.

OR

P.T.O.

- Q4)** a) Explain the importance of test cases and test procedure. [4]
b) Write in brief on any two: [6]
i) Functional Design.
ii) Egoless design.
iii) Prototyping.

- Q5)** a) What are good programming practices? [4]
b) Explain the concept of Black, white and grey box tests. [6]

OR

- Q6)** a) What is software testing and debugging? [4]
b) Explain waterfall model of software development. [6]

