

Total No. of Questions : 6]

SEAT No. :

P4994

BE/In Sem.-46

[Total No. of Pages : 2

B.E.(E&TC)

**EL-II:ELECTRONIC PRODUCT DESIGN
(2012 Course) (Semester - I)(Elective-II) (404185B)**

Time : 1Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Answer Q1 or Q2,Q3 or Q4,Q5 or Q6.*
- 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) Explain five elements of successful design. [6]
b) Explain the concept of man-machine dialogue. [4]

OR

- Q2)** Write notes on any two of the following. [10]
a) Ergonomics
b) Temperature, Vibration and shock tests.
c) Grounding

- Q3)** a) What is shielding? Explain it with neat diagrams. [6]
b) What are the major differences between system requirements and design system specifications. [4]

OR

- Q4)** a) What are the purpose and goals of an architectural design? [6]
b) What are major constraints which are considered in formulating the system architecture. [4]

- Q5)** a) What is black box test? Grey box test and white box test? [6]

P.T.O.

b) Explain egoless design. [4]

OR

Q6) a) Explain waterfall model of software development. [6]

b) What are the good programming practices? [4]

