BE/In Sem.-46
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]**

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