[5154]-695

B.E. (I.T.)

USABILITY ENGINEERING

(2012 Course) (Semester - I) (Elective - I) (414456B)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

   1)   *Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10.*

   2)   *Neat diagram must be drawn wherever necessary.*

   3)   *Figures to the right indicate full marks.*

   4)   *Assume suitable data, if Necessary.*

Q1) a) How will you measure the usability Android OS Grid view Icons with respect to traditionally associated usability attributes? **[6]**

    b) Define Usability. Explain cost saving with an example. **[4]**

OR

Q2) a) Explain Interface Evaluation with Severity Ratings. **[6]**

    b) List & explain in short any four discipline contributing to HCI. **[4]**

Q3) a) Explain good error messages with example. **[6]**

    b) What care will you take while designing the interface for the blind person. **[4]**

OR

Q4) a) List various issues related to interaction design. Explain in short with example. **[6]**

    b) Why we require short cut keys in user interface. **[4]**

Q5) a) How Questionnaires & Interviews are helpful to understand user satisfaction about interface. **[10]**

    b) Explain Test Budget in detail. **[8]**

OR

Q6) a) Explain the importance of Experimenter in usability testing. **[10]**

b) Explain formative & Summative techniques of evaluation. **[8]**

Q7) a) List & explain guidelines for Internationalization. **[8]**

b) How Tutorials & Manuals are useful to understand user interfaces. **[8]**

OR

Q8) a) Explain dangers of standards in details. **[8]**

b) How Message box & Dialog box standards are helpful to provide information about user interface. **[8]**

Q9) a) Explain intelligent user interfaces with examples. **[8]**

b) Explain User Interface Management System. **[8]**

OR

Q10) Write a short note on (Any 2): **[16]**

a) Ethics of Usability.

b) Theoretical Solutions.

c) Organizational role and structure in usability.

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