

Total No. of Questions : 10]

P2060

SEAT No. :

[Total No. of Pages : 2

[5059] - 665
B.E. (I.T.) (Semester - I)
USABILITY ENGINEERING
(2012 Pattern) (Elective - I)

Time : 2½ Hour]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q1 or Q2 , Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.*
- 2) *Figures to the right indicate full marks.*
- 3) *Assume suitable data if necessary.*
- 4) *Neat diagrams must be drawn wherever necessary.*

Q1) a) Define Usability? Explain the importance of Usability Trade-offs. **[6]**

b) Explain Usability Principle : Consistency. **[4]**

OR

Q2) a) Explain the advantages of parallel user interface design. **[4]**

b) Explain levels of Human computer Interaction. **[6]**

Q3) a) What is the benefit of good interface design? **[4]**

b) Explain the concept of Gulf of evaluation. **[6]**

OR

Q4) a) Write a short note : Meta Methods **[4]**

b) Explain Gestalt principles **[6]**

Q5) a) What is importance of test goals and test plans in Usability testing? **[8]**

b) Explain the importance of Observations, Questionnaires and interviews in usability assessment. **[10]**

OR

Q6) a) What is the concept of focus groups? Explain in detail. **[8]**

b) Explain different stages of usability testing with example. **[10]**

P.T.O.

- Q7)** a) How Multilocale interfaces are more useful to the users. [8]
b) Explain any four user interface standards. [8]

OR

- Q8)** a) How information in the interface useful for users while interacting with interface. [8]
b) How user & Vendor Benefits from Consistency and Standards. [8]

- Q9)** a) Explain Theoretical solutions for user interfaces. [8]
b) Write a short note on (Any 2) : [8]
i) Simulation
ii) Collaborative Systems
iii) Software Agent

OR

- Q10)** a) Explain Organizational role and structure in usability. [8]
b) Write a short note on (Any 2) : [8]
i) Ethics of Usability
ii) Virtual Reality
iii) Technological solutions in User Interface

