

M.E. Second Semester (Computer Engineering) (Full Time) (C.G.S.)
13132 : Elective-II : Human Computer Interface : 2 KMEF 4

P. Pages : 2

Time : Three Hours



AW - 3689

Max. Marks : 80

- Notes :
1. Assume suitable data wherever necessary.
 2. Illustrate your answer necessary with the help of neat sketches.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.

1. a) What are the seven stages of action of human-computer interaction? 7
- b) What are the goals of usability measures which primarily focus on practical evaluation of the user and his tasks? Explain. 7

OR

2. a) What are different services that can be provided to the user with disabilities? 7
- b) What is MBTI (Myers-Briggs Type Indicator)? How MBTI Provides relationship between professions and personality types? 7
3. a) Write and discuss the different steps used in the rapid contextual design method. 7
- b) What are the various interface building tools used in interfacing? 6

OR

4. a) Why it is said that, design is inherently creative and unpredictable? Give a method to characterize design. 6
- b) Write and discuss the different steps used in the rapid contextual design method. 7
5. a) Which applications require virtual and augmented reality? Give examples of context aware devices. 7
- b) What are basic principles of direct manipulator? 6

OR

6. a) Explain command line versus display editors versus word processors. 7
- b) Why VRML are not successful? 6
7. a) Which devices are useful to capture non-standard interactions? Give examples of indirect control pointing devices. 6
- b) Explain digital photography and scanners, its types. 7

OR

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| 8. | a) | What is speech recognition? Explain speech recognition devices in detail. | 6 |
| | b) | Explain Keyboards and its function keys in detail with diagrams. | 7 |
| 9. | a) | Explain asynchronous interaction in brief. | 7 |
| | b) | Explain image browsing and tightly coupled windows with example. | 7 |

OR

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| 10. | a) | Explain the concepts of same place, same time, face to face interfaces. | 7 |
| | b) | What are the goals of co-operation? Explain applying computer supported. Co-operation work in detail. | 7 |
| 11. | a) | What is advance filtering? Explain with model diagram. | 7 |
| | b) | What is the need of multimedia document search in UI design? | 6 |

OR

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| 12. | a) | Why Query by Example (QBE) is considered as powerful approach than other search methods? | 6 |
| | b) | Explain in brief five-stage framework used to design advanced search interfaces. | 7 |
