Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : X 20379

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020
Eighth Semester
Computer Science and Engineering
CS 6008 – HUMAN COMPUTER INTERACTION
(Common to Information Technology))
(Regulations 2013)
(Also Common to PTCS 6008 : Human Computer Interaction for B.E. Part-Time
Seventh Semester – Computer Science and Engineering)
(Regulations 2014)

Time : Three Hours   Maximum : 100 Marks

Answer all questions

PART – A   (10×2=20 Marks)

1. What are the basic requirements of an Successful Interactive System ?

2. Draw the Norman's Model diagram for Execution Evaluation Cycle.

3. List out the categories of Smith and Mosier guidelines.

4. Define Heuristic Evaluation.

5. List out the organization issues that affect the acceptance of Information Communication System.

6. Differentiate static and dynamic web content.

7. List out different types of the 2G and 3G networks.

8. Write the role of mobile information architect. Who can play that role ?

9. What is web interfaces ?

10. List out two contextual tools.

PART – B **(5×13=65 Marks)**

11. a) Draw the block diagram representing human-computer interaction framework and discuss it.

    (OR)

    b) i) Write short notes on various types of devices.
    ii) How the user performance is improved using ergonomics ? Discuss.

12. a) i) Explain about the usability engineering related to design process.
    ii) Explain in detail about the basics of Interactive Design.

    (OR)

    b) Discuss about the design rules, principles, standards and guidelines applied to design an interactive system.

13. a) Explain in detail about communication and collaboration models.

    (OR)

    b) Discuss in detail about socio organizational issues and stakeholder requirements.

14. a) Draw the Mobile Information Architecture and explain.

    (OR)

    b) i) Explain the various types of mobile application.
    ii) Write short notes on Mobile Eco System.

15. a) How to handle the E-mail threatening messages and Fraudulent offers use of e-mail investigation ? Explain.

    (OR)

    b) i) Write the various data hiding techniques.
    ii) Describe the cell phone and mobile devices forensics.

PART – C **(1×15=15 Marks)**

16. a) Write the web interface design with drag and drop and direct selection with an example.

    (OR)

    b) Discuss the elements of mobile tools for a mobile design with an example.

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