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Question Paper Code: U9878

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Open Elective

Information Technology

21UIT978-ESSENTIALS OF UI DESIGN

(Common to ALL Branches)

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10 x 2 = 20 Marks)

1. What is User interface design? CO1 U
2. List out the advantages of Graphical system. CO1 U
3. What is meant by visual perception? CO1 U
4. List out advantages of Design standards and style guide. CO1 U
5. What are selection controls? List them? CO1 U
6. Draw and explain the text box and selection controls CO1 U
7. How to identify effective feedback? CO1 U
8. What are the advantages of using icons? CO1 U
9. What is the need of testing? CO1 U
10. List out some software tools for testing. CO1 U

PART – B (5 x 16= 80 Marks)

11. (a) Discuss in detail the need and essential features of direct manipulation graphical system and its applications. CO1 U (16)
Or
(b) Give the characteristics of CO1 U (16)
 - i) Intranet Vs Internet
 - ii) Printed Vs Webpage
12. (a) What are the obstacles encountered in user interface design process? Discuss the impacts of human characteristics in design. CO1 U (16)
Or
(b) Explain Business definition and requirement analysis. CO1 U (16)

13. (a) How would you design and implement a multi-level navigation menu for an e-commerce website, ensuring it is both user-friendly and accessible, and how would you handle potential issues like mobile responsiveness and keyboard navigation? CO2 App (16)
- Or
- (b) Describe how would you apply the screen-based controls for this application to ensure a user-friendly and effective experience. CO2 App (16)
14. (a) Explain the need for collecting feedback and discuss how it improves the user interface design. CO1 U (16)
- Or
- (b) Explain in detail about the webpage user interface design. CO1 U (16)
15. (a) With the help of CSS, Create a webpage for an image gallery and draw a neat diagram. CO2 App (16)
- Or
- (b) Create the visuals of texts and images and sketch neat diagram. CO2 App (16)