Q. P. Code: 26254

(3 Hours) [Total Marks: 80]

N.B. (1) Question No.1 is **compulsory**, solve any **three** questions from **remaining** questions.
    (2) **All** questions carry **equal** marks.
    (3) Specify your answers with neat **diagrams** and **examples** wherever **necessary**.

1. (a)   Consider a typical online learning portal that is used for online courses. Identify the considerations that you think such portal should have and then design a User Interface (minimum 3) considering the usability aspects of this online learning website. Design any Five Test Tasks which can be used by the group of testers to evaluate the performance of the above learning portal.   **10**
   (b)   Explain between subjects testing versus within subjects testing   **10**

2. (a)   Explain parallel and participatory design in usability engineering lifecycle.   **10**
   (b)   Explain various stages of a test in usability engineering   **10**

3. (a)   Explain usability Heuristics in detail   **10**
   (b)   List and explain various usability slogans   **10**

4. (a)   Explain attributes of system acceptability   **10**
   (b)   What is need of standards? Explain National, International and Vendor standards in detail.   **10**

5. Write short notes on   **20**
   a. Multilocale Interface and Resource Separation.
   b. Focus Groups.
   c. CAUSE Tools.
   d. Intelligent user Interfaces.

6. a. With help of an example explain the importance of graphics design and color while developing an application.   **10**
   b. Elaborate on different features you will incorporate in a website to sell fire crackers to improve user engagement.   **10**

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