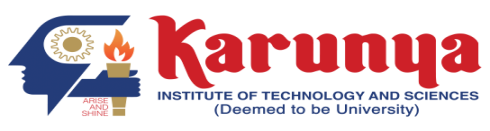
Reg. No. \_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov / Dec – 2019**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Code :** | **14CS3012** | **Duration :** | **3hrs** |
| **Sub. Name :** | **USER INTERFACE DESIGN** | **Max. Marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Explain in detail the characteristics of graphical and web user interface. | CO1 | 20 |
| **(OR)** | | | | |
| 2. | a. | State the principles of user interface design. | CO1 | 10 |
| b. | Write a brief history of screen design. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Describe the important human characteristics in design. | CO1 | 10 |
| b. | How to determine basic business functions for better user interface design? | CO2 | 10 |
| **(OR)** | | | | |
| 4. |  | Explain in detail the following menu types:  a) Structures of Menus b) Functions of Menus  c) Content of Menus d) Formatting Menus | CO3 | 20 |
|  |  |  |  |  |
| 5. | a. | What are the different types of windows? | CO1 | 5 |
| b. | What are the different windows organization and support functions available in Windows OS? | CO3 | 10 |
| c. | Write about various interaction devices for participating in UI. | CO1 | 5 |
| **(OR)** | | | | |
| 6. | a. | How would the quality of service avoid the frustrating experiences in the user interface? | CO3 | 5 |
| b. | Explain in detail the following collaborative interfaces:   1. Asynchronous distributed interfaces: Different place, Different time 2. Synchronous distributed interfaces: Different place, Same time   Face-to-face interfaces: Same place, Same time | CO3 | 15 |
|  |  |  |  |  |
| 7. | a. | How to choose colors for webpages? | CO1 | 5 |
| b. | Explain in detail choosing colors for textual and statistical graphics design. | CO3 | 15 |
| **(OR)** | | | | |
| 8. |  | How to organize and layout screen? Explain with examples. | CO2 | 20 |
|  | | **Compulsory**: |  |  |
| 9. | a. | What are the different scope of UI tesing? Explain in detail. | CO2 | 10 |
| b. | Write the various kinds of prototypes possible for UI testing. | CO2 | 10 |