**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BC5147** | Roll No. | Total Printed Pages: 1 |
| **3BC5147** |  |
| BCA III Year V-Semester (Main/Back) End Semester Examination, November 2022  **(Gen)** | |
| **BCA05102 : User Interface Design** | | | |

# Time: **3**Hours. Total Marks: **60**

Min. Passing Marks: **21**

Attempt **five** questions selecting one question from each Unit. There is internal choice from Unit I to Unit V. Marks of each question or its parts are indicated against each question / parts. Draw neat sketches wherever necessary to illustrate the answer. Assume missing data suitably (if any) and clearly indicate the same in the answer.

Use of following supporting material is permitted during examination for this subject.

# **1.--------------------------Nil--------------------** **2.------------------Nil-----------------------**

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|  |  | **UNIT-I (CO1)** | **Marks** | **Bloom Level** |
| **Q.1** | **(a)** | What do you understand by the Design Principles of UI? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What is the difference between UI and UX? | **(6)** | **Analyzing** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | What is the User Centred Design? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | Explain the following:-  studying a Domain, Identifying Themes and Market Gaps | **(6)** | **Remembering** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | What is the wireframe? Why we using Wireframe? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What are the different components of a wireframe? | **(6)** | **Analyzing** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | What is Paper and Interactive Prototyping? Explain. | **(6)** | **Remembering** |
|  |  |  |  |  |
|  | **(b)** | What is Usability Testing? Explain. | **(6)** | **Remembering** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Explain the principles of Material Design in Android. | **(6)** | **Remembering** |
|  |  |  |  |  |
|  | **(b)** | What are the Deferent UI Element and their Effective use? | **(6)** | **Analyzing** |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | What is the Network Security? Why do we need Security? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What are the Design principles Good Interface Design in Android? | **(6)** | **Remembering** |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | What do you mean by Responsive design on a web page? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What is the Evolutionary design? Explain. | **(6)** | **Remembering** |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | * What are the advantages and disadvantages of using responsive web design to create mobile websites? | **(6)** | **Analyzing** |
|  |  |  |  |  |
|  | **(b)** | Explain how to Create style guide and grids. | **(6)** | **Understanding** |
|  |  | **UNITV (CO5)** |  |  |
| **Q.9** | **(a)** | What do you understand by Quantitative Methods? | **(6)** | **Understanding** |
|  |  |  |  |  |
|  | **(b)** | What is the A/B Testing? Explain. | **(6)** | **Analyzing** |
|  |  | **OR** |  |  |
| **Q.10** | **(a)** | Write Short notes on Field and Diary Studies. | **(6)** | **Remembering** |
|  |  |  |  |  |
|  | **(b)** | What is the Logging? Explain. | **(6)** | **Understanding** |