**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, November 2022**

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|  | **3BC5133** | Roll No. | Total Printed Pages: 1 |
| **3BC5133** |  |
| BCA III Year V- Semester (Main/Back) End Semester Examination, November 2022  **(Mobile)** | |
| **BCM05103 : Cross Platform Application Development** | | | |

# 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)** | Illustrate different types of APPs with a live example and discuss its feasibility in the market. | **(6)** | Evaluate |
|  |  |  |  |  |
|  | **(b)** | Differentiate Native, mobile and Hybrid apps on the basis of advantages and disadvantages. | **(6)** | Analysis |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | Analyze, why cross platform demand is increased? Explain. | **(6)** | Analysis |
|  |  |  |  |  |
|  | **(b)** | In e-commerce application which type of APP will be suitable, explain with a live case study. | **(6)** | Evaluate |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | Discuss the special features of CSS3 | **(6)** | Remember |
|  |  |  |  |  |
|  | **(b)** | Write a program to create Menu bar using CSS. | **(6)** | Apply |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Discuss advantages of Java Script in web applications. | **(6)** | Analysis |
|  |  |  |  |  |
|  | **(b)** | Write a program to check validations in sign up form. | **(6)** | Apply |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** | **(a)** | Write a program to do Angular JS Expression. | **(6)** | Apply |
|  |  |  |  |  |
|  | **(b)** | Analyze scope in Angular JS with an appropriate program | **(6)** | Analysis |
|  |  | **OR** |  |  |
| **Q.6** | **(a)** | Discuss Angular JS ng-app, ng-model, ng-bind   directive with their code. | **(6)** | Evaluate |
|  |  |  |  |  |
|  | **(b)** | Illustrate different features of Angular JS. | **(6)** | Analysis |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** | **(a)** | Write features of Phone Gap. Explain with live application. | **(6)** | Evaluate |
|  |  |  |  |  |
|  | **(b)** | Write the steps of setting up of Phone Gap. | **(6)** | Apply |
|  |  | **OR** |  |  |
| **Q.8** | **(a)** | Evaluate different event handling in Phone Gap. | **(6)** | Evaluate |
|  |  |  |  |  |
|  | **(b)** | Discuss the applications of Phone Gap | **(6)** | Analysis |
|  |  | **UNITV (CO5)** |  |  |
| **Q.9** | **(a)** | Discuss applications of Ionic. | **(6)** | Evaluate |
|  |  |  |  |  |
|  | **(b)** | Explain how to setup Ionic framework. | **(6)** | Apply |
|  |  | **OR** |  |  |
| **Q.10** |  | Write a program to access Camera in your app using Phone Gap | **(12)** | Apply |