**POORNIMA UNIVERSITY, JAIPUR**

**END SEMESTER EXAMINATION, APRIL 2023**

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|  | **2BC4147** | Roll No. | Total Printed Pages: 1 |
| **2BC4147** |  |
| BCA II Year IV Semester (Main/Back) End Semester Examination, April 2023  **(Mobile)** | |
| **BCMCCA4103 : Advance Android 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)** | Write down the steps of text preprocessing. | **(6)** | **Analyze** |
|  |  |  |  |  |
|  | **(b)** | Create a python file for sentence segmentation. | **(6)** | **Create** |
|  |  | **OR** |  |  |
| **Q.2** | **(a)** | Write a short note on  (a) Sensor listener (b) Sensor Manager | **(6)** | **Understand** |
|  |  |  |  |  |
|  | **(b)** | Create an application for Accelerometer. | **(6)** | **Create** |
|  |  | **UNIT-II (CO2)** |  |  |
| **Q.3** | **(a)** | Differentiate between Geo coding and Reverse Geo coding with example. | **(6)** | **Evaluate** |
|  |  |  |  |  |
|  | **(b)** | What are the steps to generate an API key in Google cloud console? | **(6)** | **Remember** |
|  |  | **OR** |  |  |
| **Q.4** | **(a)** | Write a short note on Google API Console. | **(6)** | **Remember** |
|  |  |  |  |  |
|  | **(b)** | Create an application to track the user current location | **(6)** | **Create** |
|  |  | **UNIT-III (CO3)** |  |  |
| **Q.5** |  | Create an Application to add the customer details and fetch details of Customer from database | **(6+6)** | **Create** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
| **Q.6** |  | What is the purpose of AsyncTask and also write down the code to implement AsyncTask. | **(6+6)** | **Remember** |
|  |  |  |  |  |
|  |  | **UNIT-IV (CO4)** |  |  |
| **Q.7** |  | What do you mean by Bluetooth connectivity in android application and also Elaborate the concept of Bluetooth Adapter? | **(6+6)** | **Analyze** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
| **Q.8** |  | How to secure an android application and also write down the steps for apk attack surface. | **(6+6)** | **Analyze** |
|  |  |  |  |  |
|  |  | **UNIT V (CO5)** |  |  |
| **Q.9** |  | Write a short note on  (I) Intent (ii)Android Permissions | **(6+6)** | **Remember** |
|  |  |  |  |  |
|  |  | **OR** |  |  |
| **Q.10** |  | Create an application to send data from one activity to another using custom Base Adapter. | **(12)** | **Create** |