

M.C.A.- II (Two Years Programme) (New CBCS Pattern) Semester - III  
**PMCAT304A - Elective-I Paper-IV : Android Application Development**

P. Pages : 2

Time : Three Hours



**GUG/S/23/13650**

Max. Marks : 80

- 
- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagrams wherever necessary.
  3. Avoid vague answers and write answers relevant and specific to questions only.

**Either:**

1. a) Discuss in detail about Android SDK. 8
- b) Explain in detail Open Source Vs Traditional Development Methodologies. 8

**OR**

- c) Explain in detail the history of Mobile software development. 8
- b) Discuss in detail the different layers of android. 8

**Either:**

2. a) Give in detail the Anatomy of An Android Applications. 8
- b) Develop an Android application to demonstrate Implicit intent to open "Google homepage on the screen. (Write java and xml coding) 8

**OR**

- c) Explain Android Manifest file and its common settings. 8
- d) Write a program in android to demonstrate Toast Activity. (Write Java and xml code). 8

**Either:**

3. a) Explain user Interface screen Elements in detail. 8
- b) Write a program in Android to find largest and smallest element among five numbers (Write java and XML code). 8

**OR**

- c) Explain in detail working with animation in Android. 8
- d) Write an Android application for entering two numbers if first number is greater than second then perform addition of two numbers otherwise perform subtraction (Note: Write Java and XML code). 8

**4. Either:**

- |    |  |          |
|----|--|----------|
| a) | Write a program to show how to use Date Picker control of ADK in your android application. (Write java and xml code) | <b>8</b> |
| b) | Develop an android application that makes the use of database of Login.  | <b>8</b> |

**OR**

- |    |   |          |
|----|---|----------|
| c) | What is SQLite? Explain how to manage data using SQLite in detail.      | <b>8</b> |
| d) | Explain, how data is shared between Application with content providers. | <b>8</b> |

**5. Attempt all the questions.**

- |    |  |          |
|----|--|----------|
| a) | Write a short note on Android Platform.                            | <b>4</b> |
| b) | Explain Intent filter in short.                                    | <b>4</b> |
| c) | Develop an application that uses GUI components, fonts and colors. | <b>4</b> |
| d) | Write a short note on storage API.                                 | <b>4</b> |

\*\*\*\*\*