

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) **8**
  - b) Develop an android application that makes the use of database of Login. **8**

**OR**

- c) What is SQLite? Explain how to manage data using SQLite in detail. **8**
  - d) Explain, how data is shared between Application with content providers. **8**
- 5. Attempt all the questions.**
- a) Write a short note on Android Platform. **4**
  - b) Explain Intent filter in short. **4**
  - c) Develop an application that uses GUI components, fonts and colors. **4**
  - d) Write a short note on storage API. **4**

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