

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

P. Pages : 2

Time : Three Hours



**GUG/W/24/13650**

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answers and write specific answer related to questions.

**Either :**

1. a) Explain different features of android in detail. 8
- b) What is SDK? Explain, how to explore android SDK in detail. 8

**OR**

- c) Explain 8
  - i) MPL
  - ii) GPL
- d) Describe Layers of Android in detail. 8

**Either :**

2. a) Explain different android terminologies in detail. 8
- b) Write a procedure to store different resource value types. 8

**OR**

- c) Explain the following 8
  - i) Activities
  - ii) Services
- d) Explain in detail about Receiving and Broadcasting intents. 8

**Either :**

3. a) Explain how to organize screen with tabs giving suitable application. 8
- b) What are the common UI screen elements? Explain with example. 8

**OR**

- c) Explain Designing user Interface with layout. 8
- d) Explain in detail about working with animation. 8

**Either :**

- 4. a) Explain in detail. 8
  - i) Call log content provider
  - ii) Modifying content provider data.
- b) Write an application to read a data from web using Http UAL connection. 8

**OR**

- c) What is SQLite? Explain managing data using SQLite. 8
- d) What is content providers and explain application with content providers. 8

5. Solve all the questions.

- a) What is open Handset Alliance? Explain in short. 4
- b) Explain Anatomy of android application. 4
- c) Explain in short about using table layout 4
- d) Explain android networking API in short. 4

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