

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

P. Pages : 2

Time : Three Hours



GUG/S/25/13650

Max. Marks : 80

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

Either:

1. a) Write a detail note on different license issues under open source. 8
- b) Distinguish between open source development methodologies and Traditional development methodologies. 8

OR

- c) Explain the layers of Android in detail. 8
- d) Enlist and explain the kinds of Android components in detail. 8

Either:

2. a) Write a program in android to demonstrate different activities. 8
- b) Explain the Android manifest file and its common settings. 8

OR

- c) Describe how to manage Application resources in a hierarchy. 8
- d) What do you mean by intents in android? Explain the type of intents in brief. 8

Either:

3. a) Explain the different types of dialogs under user interface in android. 8
- b) Demonstrate view and view group in android. 8

OR

- c) Explain the built in view container classes in brief. 8
- d) How to draw Bitmap Graphics on a canvas? Explain with example. 8

Either:

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| 4. | a) | Write a detail note on Android storage API. | 8 |
| | b) | Explain SQLite. Also discuss how to manage data using SQLite. | 8 |

OR

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|-----------|----|---|----------|
| | c) | Demonstrate the networking API in Android. | 8 |
| | d) | Explain Android Telephony API in detail. | 8 |
| 5. | | Solve all the questions. | |
| | a) | Discuss the Android SDK in brief. | 4 |
| | b) | What do you mean by resources? Explain the working with different types of resources. | 4 |
| | c) | Explain the Android Layouts in brief. | 4 |
| | d) | Explain the Android web API in brief. | 4 |
