

M.C.A. - II (2 Years) New CBCS Pattern Semester-III
PMCAT304A - Paper-IV Elective-I : Android Application Development

P. Pages : 2

Time : Three Hours



GUG/W/23/13650

Max. Marks : 80

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

Either:

1. a) Write in brief about open source. Explain the role of license in open source. 8
b) Write a program to build an android application to display “MCA is best” in center. 8
(Write Java & XML code)

OR

- c) Write a detail note on Android SDK. 8
d) What are various kinds of Android components? Explain. 8

Either:

2. a) What do you mean by services in Android? Explain in detail. 8
b) What do you mean by Registering permission an android application grants to other android application. 8

OR

- c) What is Resource value? Explain different Resource value types in detail. 8
d) Explain the following. 8
i) Android Manifest File
ii) Intent filter.

Either:

3. a) What is Android Graphics API? Explain with suitable example. 8
b) Write a program to implement tween animation and rotate the text in your android application (write Java and XML code). 8

OR

- c) What is Relative layout? Write an application to demonstrate it's some attribute. 8
d) Write a note on four different Tweening transformation. 8

Either:

4. 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) What is SQLite? Explain managing data using SQLite in brief. **8**

OR

- c) Write short note on. **8**
- i) Android's Network APIs.
- ii) Android's Telephony APIs.
- d) Develop an application that makes the use of database for login app. **8**
5. Attempt all the questions.
- i) Write history of Mobile software development. **4**
- ii) What are broadcasting intents? Explain. **4**
- iii) Explain in short about different drawing shapes. **4**
- iv) Explain Androids data and storage API. **4**
