

Master of Computer Application (MCA-III) (CBCS Pattern) Fifth Semester
PSMCAT505.1 - Elective-I - Android Application Development Paper-V

P. Pages : 2

Time : Three Hours



GUG/W/18/11123

Max. Marks : 80

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

1. Either.

- a) What is open source software? Explain license issue of open source software. **8**
- b) Explain the layers of Android with suitable diagram. **8**

OR

- c) Describe open Handset Alliance in detail. **8**
- d) Write a program in android to build a sample android application.
(Note : Write xml and java code). **8**

2. Either.

- a) Describe the Anatomy of an android application. **8**
- b) Explain Android Manifest file and its common settings. **8**

OR

- c) What is Intents? How to receive and broadcast intents? Explain in detail. **8**
- d) Write a program in android application to manage application resources. **8**

3. Either.

- a) Explain Android user interface screen elements in detail. **8**
- b) Write a program in Android to design the user interface for addition and multiplication of two numbers and display result. **8**

OR

- c) Write a program in Android that shows your current location. **8**
- d) How Android user interface works with animation? Explain in detail. **8**

4. Either.
- a) What is SQLite? Explain how to manage data using SQLite in detail. 8
 - b) What is content providers? Explain how to share data between application with content provider. 8

OR

- c) Explain the following. 8
 - i) Networking API's.
 - ii) Telephony API's.
 - d) Describe Android data and storage API's in detail. 8
5. Solve all the questions.
- a) Describe the history of mobile software development in short. 4
 - b) Explain Intent filter in short. 4
 - c) Write a short note on Android interface layout. 4
 - d) Explain Android web API's in short. 4
