

M.Sc. (Part-II) Semester-III (CBCS) Examination
COMPUTER SOFTWARE (NEW)
(Mobile Computing with Android)
Paper-3S3

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) Illustrate your answer with neat sketches wherever necessary.

(2) Assume suitable data wherever required.

1. (a) State and explain steps of installation of JAVA for Linux. 7
- (b) Explain the architecture of JAVA virtual machine. 7

OR

2. (a) Explain the installation process of SDK. 7
 - (b) State and explain various features and applications of JAVA for android application development. 7
3. (a) Explain the concept of Views and View Groups in Android. 7
 - (b) Write the procedure of building and running a project in Android. 7

OR

4. (a) How to handle pictures and menus in Android ? Explain. 7
 - (b) How to migrate the projects from Eclipse ? Explain. 7
5. (a) Explain the concept of Event Handler and Android modules. 7
 - (b) Explain the following terms :
 - (i) Threads and services.
 - (ii) Multiple Target Devices. 6

OR

6. (a) Explain the following terms :
 - (i) E-mail service in Android.
 - (ii) Networking using Android. 7
 - (b) Compare and contrast between the location services and maps. 6
7. (a) What is Android monitor ? Explain its various components. 7
 - (b) What is GIT ? Explain the installation process of GIT. 6

OR

8. (a) Explain the Android Debug bridge. 7
- (b) Explain the following terms :
 - (i) Network Monitor.
 - (ii) Device Monitor. 6

9. (a) Explain the process of signing and publishing an application. 7
(b) What is NDK ? Explain the use of NDK in android studio. 6
- OR**
10. (a) What is an APK ? What is the difference between APK and App ? Explain. 7
(b) Explain the steps for installation of NDK on windows. 6
11. (a) What is SQLite ? State the installation steps of SQLite on Windows and Linux. 7
(b) Explain synchronization. What is the use of generic data synchronization ? 6
- OR**
12. (a) What are content providers ? Explain various types of content providers. 7
(b) Describe the networking and sync adapters in detail. 6