

## B.Sc. Semester-6 Examination

CC 309

Computer Science

March-2023

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions in Section – I Carry Equal Marks.

Attempt any Three Question in Section – I.

Question I in Section – II is COMPULSORY.

## SECTION-I

- Q.1 A Explain Android architecture in detail with a neat diagram. 7  
 B Explain the different Android application components. 7

OR

- A What is android? Explain Android History in detail. 7  
 B What is Open Handset Alliance? Features of Android 7

- Q.2 A Write short notes on Dalvik Virtual Machine. 7  
 B What is an Android manifest file in Android? 7

OR

- A Explain Activity life cycle with example. 7  
 B Write a note on various Intent types. 7

- Q.3 A Explain the different types of views in Android. 7  
 B What is layout? Explain Linear layout in detail. 7

OR

- A Explain Relative layout and Grid Layout 7  
 B How many types of resources are there in Android? 7

- Q.4 A What is data persistence? How to achieve it in android app? 7  
 B What are shared preferences? Give an example program. 7

OR

- A Explain steps to publish android app. 7  
 B How to share data between applications using content providers? 7

## SECTION-II

- Q.5 Attempt any seven out of twelve. 14

- 1) Name the four state in android lifecycle.
- 2) What is the use of resource ID in android?
- 3) List the data type in android SQL Lite.
- 4) Explain about android SDK.
- 5) Explain any two types of draw able resource.
- 6) Show the syntax for button in XML.
- 7) Explain the state of android fragments.
- 8) Which components are necessary for a New Android project?
- 9) Name the languages supported for Android development.
- 10) What are the advantages of the Android Operating System?
- 11) What is the difference between Mobile Application Testing and Mobile Testing?
- 12) What is .apk file?