2603E1339   Candidate's Seat No :_____

B.C.A. Semester-5 Examination
SEC 301 (c)
Mobile Application Development

Time : 2-30 Hours]   March-2024   [Max. Marks : 70

Q-1. Write the following.
1. Explain anatomy of android application.   7
2. Write a short note on AVD and DVM.   7

OR

1. What is intent? Explain types of intent in detail.   7
2. Explain activity lifecycle with diagram.   7

Q-2. Write the following.
1. Explain AndroidManifest.xml file with its structure.   7
2. Explain string resource with example.   7

OR

1. Explain registering activity with manifest file.   7
2. Explain dimension resource with example.   7

Q-3. Write the following.
1. Explain Button and Spinner control with its attributes.   7
2. Explain attributes of FrameLayout with example.   7

OR

1. Explain attributes of RelativeLayout with example.   7
2. Explain CheckBox and ToggleButton control with its attribute.   7

Q-4. Write the following.
1. List different types of Adapters. Explain any one in detail   7
2. What is Fragment? Explain its lifecycle in detail.   7

OR

1. Explain GridView with example.   7
2. Explain lifecycle of dialog.   7

Q-5. Attempt any seven out of twelve

1. _____ is the lowest layer of android architecture.
    a) applications   c) linux kernel
    b) application framework   d) android runtimes
2. vertical is a default value of the orientation attribute of the linerlayout.(True/False)
3. What is the correct permission to use the camera?
    a) android.permission.CAMERA
    b) android.permission.USE_CAMERA
    c) android.permission.hardware.CAMERA
    d) None
4. OHA stands for _____.
    a) Override Hardware Alliance   c) Open Hardware Alliance
    b) Override Handset Alliance   d) Open Handset Alliance

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5. Which one is not a nickname of android version?
   a) Mentos
   b) Pie
   c) Kitkat
   d) Oreo

6. _____ method of RatingBar returns the rating number.
   a) getRate()   c) getProgrss()
   b) getRating()   d) None

7. Mini activities are also known as _____.
   a) adapter   c) fragment
   b) activity   d) None

8. View is base class for all UI components in android.(True/False)

9. Which file specifies minimum required Android SDK version your application support?
   a) main.xml   c) androidmanifest.xml
   b) strings.xml   d) dimens.xml

10. The layout or design of an android application is saved in _____.
    a) xml file   c) java file
    b) dex file   d) text file

11. What runs in the background and doesn't have any UI components?
    a) Intent   c) Content Providers
    b) Broadcast receivers   d) Service

12. Adapter is a bridge between UI component and data source .(True/False)