2111000104050003
B.C.A. S.Y (Sem – IV)
Examination November -2023
Mobile Application Development - II

Seat No:

Student's Signature

[**Time: Three Hours**]   [**Max. marks: 70**]

Instructions: 1. All questions are compulsory.
                            2. Figure to the right indicate full marks.
                            3. Mention your options clearly.

Q.1   Answer the following question   **14**

1)   OnCheckedChangeListener can be used with which control?
        1. Button   2. CheckBox   3. Both Button & CheckBox   4. Spinner

2)   _____ Converts class file in to dex file.
        1. Javac   2. Aapt   3. dex compiler   4. DVM

3)   In Alert Dialog which method is used to keep Dialogbox open, even if Back button pressed?
        1. .setCancelable(false)   2. .setCancelable(true)
        3. .setHidden(false)   4. .setHidden(true)

4)   What is true about R.java file?
        1. It is auto-generated file which contains resource IDs of all Resources.
        2. It is auto-generated file which contains configuration settings
        3. It is auto-generated file which contains string objects
        4. None of the above

5)   _____are views that display a long list of items.
        1. List view   2. Specialised fragments   3. Frame view   4. None

6)   What are the correct types of progress available in Android?
        1. Spinning wheel and horizontal bar
        2. Vertical bar
        3. Circle wheel
        4. None of these

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7) The _____ method of ImageSwitcher provide implementation of ViewFactory interface.
   1. ViewFactory() 2. setFactory() 3. Factory() 4. GetFactory()

8) If you don't want to change the variable value, what keyword need to be used?
   1. Def   2. Const   3. Constant   4. Fixed

9) What is an entry point in Dart?
   1. declare()   2. list()   3. main()   4. return()

10) Full form of AOT _____.
    1. Ahead Of Time   2. After Of Time
    3. Ahead of Temp   4. Accured Of Temp

11) Which of the following is invisible widget?
    1. radio button 2. checkbox   3. column   4. Image

12) _____ widget change their description dynamically during their lifecycle.
    1. stateful widget   2. stateless widget
    3. visible widget   4. invisible widget

13) _____ is a widget in flutter that combines a list of widgets and positions them on top of the other.
    1. The stack   2. The points 3. The list   4. The Form

14) _____ is a material design class in flutter that provides text labels to explain the functionality.
    1. Tooltip   2. Flutterform 3. Charts   4. Switchs

Q.2   Attempt Following Questions [Any Two]   **14**
   1) How to create dynamic radio button in android? Explain with example.
   2) Write a short note on Android Manifest.
   3) Explain AutoCompleteTextview and TextWatcher in detail.

Q.3   Attempt Following Questions in detail [Any Two]   **14**
   1) Explain Alert Dialog box of android in detail.
   2) Explain Date and Time picker in detail.
   3) Write a short note on datatypes of Dart.

Q.4 **Attempt Following Questions [Any Two]**   **14**
1) Explain Decision making statements of Dart.
2) Explain features of Flutters.
3) Explain visible and invisible widget of Flutter.

Q.5 **Write a Short Note on the following [Any Two]**   **14**
1) Write a short note on Flutter Form.
2) Discuss architecture of flutter in detail.
3) Explain any three Flutter widget in detail.