H-003-2046001

B. Sc. (IT) (Sem. VI) Examination

April - 2023

Mobile Application Development in Android using Kotlin : CS-31

Faculty Code : 003

Subject Code : 2046001

Time : $2\frac{1}{2}$ / Total Marks : **70**

1	(a)	Answer the following :	**4**

        (1) Map is a set of _____.

        (2) What is the purpose of Kotlin ?

        (3) What is Inheritance ?

        (4) Use of Integer data type.

  (b) Answer in brief : (any one out of two)   **2**

        (1) Difference between super () and this () keyword.

        (2) Difference between character () and string () data type.

  (c) Answer in detail : (any one out of two)   **3**

        (1) Explain array in Kotlin.

        (2) Explain Decision making statement.

  (d) Write a note on : (any one out of two)   **5**

        (1) Explain operator in Kotlin.

        (2) Explain Data structure in Kotlin.

2   (a) Answer the following :   **4**

        (1) Full form of ADT.

        (2) _____ Screen density is 120 dpi.

        (3) Called once the activity is no longer visible.

        (4) NFC was first introduced in _____.

  (b) Answer in brief : (any one out of two)   **2**

        (1) Use of canvas.

        (2) What is DVM ?

(c) Answer in detail : (any one out of two)   **3**
    (1) Provide any features of Android 1.0.
    (2) What is the requirement of bin folder ?

(d) Write a note on : (any one out of two)   **5**
    (1) Step to build "hello world" application.
    (2) Explain activity life cycle with example.

3 (a) Answer the following :   **4**
    (1) _____ display web pages.
    (2) Paddings are the spaces inside the border. True/False.
    (3) _____ view enables user to select a date of the day.
    (4) With _____ we can see preview of layout XML.

(b) Answer in brief : (any one out of two)   **2**
    (1) What is Padding and Margin ?
    (2) Explain View Animation.

(c) Answer in detail : (any one out of two)   **3**
    (1) Explain Twined Animation.
    (2) Explain Simple Cursor Adapter.

(d) Write a note on : (any one out of two)   **5**
    (1) Explain different input type and behaviours of edit text.
    (2) Explain Radio group with example.

4 (a) Answer the following :   **4**
    (1) getSharedPreferences() can call from any_____ in your app.
    (2) Use of getFilesLDir ().
    (3) You can query the external storage state by calling _____.
    (4) _____ method is used to delete file.

(b) Answer in brief : (any one out of two)   **2**
    (1) Method of Data Storage.
    (2) Use of Private File.

(c) Answer in detail : (any one out of two)   **3**
    (1) Explain Insert() with example.
    (2) Explain Read Information from a database.

(d) Write a note on : (any one out of two)   **5**
    (1) Create an application to send image using whatsapp.
    (2) Save File on External Storage with example.

5   (a)   Answer the following :   **4**

(1)   Full form of LBS.

(2)   You call _____ which removes all of the notifications
you previously issued.

(3)   Name your application using _____.

(4)   ANR stands for _____.

(b)   Answer in brief : (any one out of two)   **2**

(1)   Define LED Notification.

(2)   Explain onCreate() and onDestroy ().

(c)   Answer in detail : (any one out of two)   **3**

(1)   Explain doInBackground() in AsyncTask.

(2)   How to create a notification builder.

(d)   Write a note on : (any one out of two)   **5**

(1)   Step to publish your app.

(2)   Explain getPhoneStatus with example.

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