

Total No. of Questions : 5]

SEAT No. :

P2146

[Total No. of Pages : 4

[5803]-604

T.Y. B.B.A. (C.A.)

CA-604 : ANDROID PROGRAMMING

(2019 Pattern) (Semester - VI)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) All questions are compulsory.
- 2) Draw neat diagrams wherever necessary.
- 3) Figures to the right indicate full marks.

Q1) Attempt any Eight of the following :

[8 × 2 = 16]

- a) The Android _____ provides you the API libraries and developer tools necessary to build, test, and debug apps for android.
 - i) JDK
 - ii) SDK
 - iii) ADT
 - iv) All of the mentioned
- b) _____ dictates the UI and handles the user interaction to the smart phone screen.
 - i) Intents
 - ii) Fragments
 - iii) Activities
 - iv) None of the mentioned
- c) _____ is a drop-down list that allows users to select one value from a set.
 - i) CheckBox
 - ii) RadioButton
 - iii) Spinner
 - iv) All of the mentioned
- d) _____ is a specialized view switcher which will provide a smooth transition animation effect to the images while switching from one image to another.
 - i) ImageView
 - ii) ImageSwitcher
 - iii) Both i) and ii)
 - iv) All of the mentioned

P.T.O.

- e) How many threads are there in AsyncTask android?
- Only one
 - Three
 - AsyncTask doesn't have thread
 - Two
- f) _____ is used to perform database operations on Android such as storing, manipulating or retrieving persistent data from the database.
- MySQL
 - SQL
 - SQLite
 - All of the mentioned
- g) Cursor navigation methods include _____.
- moveToFirst
 - moveToNext
 - Both a) and b)
 - none of the mentioned
- h) _____ identifies locations on the map and used to notify the user of locations on a map and take the form of either a standard or custom icon.
- Maps
 - API keys
 - Markers
 - None of the mentioned
- i) To send SMS messages programmatically, which class is used?
- Mms
 - SmsManager
 - Both a) and b)
 - None of the mentioned
- j) The _____ arranges views in a single column or a single row. Child views can be arranged either vertically or horizontally.
- FrameLayout
 - AbsoluteLayout
 - LinearLayout
 - None of the mentioned

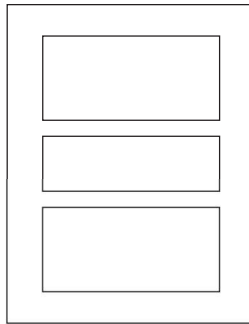
Q2) Attempt any Four of the following : [4 × 4 = 16]

- What is Activity? With the help of diagram describe activity life cycle.
- What is ToggleButton? How to create it? Explain with example.
- How to create database in SQLite? Explain with example.
- Define Google Map. How to change views in Google Maps? Explain with example.
- Describe the Android architecture in detail.

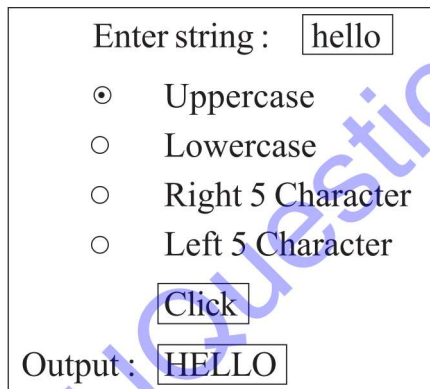
Q3) Attempt any Four of the following :

[4 × 4 = 16]

- a) Observe the following GUI and write an XML file using relative layout to create the same.



- b) Develop an application to send and receive SMS. (Write only .java and permission tag in manifest file).
- c) Develop an application to store student details like roll no, name, branch, marks, percentage and retrieve student information using roll no. in SQLite databases.
- d) Create an Android Application to perform following string operation according to user selection of radio button.



- e) Create an Android App with Login screen. On successful login, gives message go to next activity (Without using database & use TableLayout).

Q4) Attempt any Four of the following :

[4 × 4 = 16]

- a) Write an Android program to perform Zoom In, Zoom Out operation and display Hybrid view on Google MaP.
- b) Explain Date and Time picker with its methods.
- c) Create a simple Application, which read a positive number from the user and display its factorial value in another activity.
- d) What is cursor in SQLite? Explain with example.
- e) Develop a simple calculator using Table Layout.

Q5) Write a short notes on any Two of the following :

[2 × 3 = 6]

- a) SQLiteDatabase
- b) ProgressBar
- c) Geocoding and Reverse coding

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