[6027]-31

Second Year M.C.A. (Management)
IT-31 : MOBILE APPLICATION DEVELOPMENT
(2020 Pattern) (Semester - III)

Time : 2½ Hours]   *[Max. Marks : 50*
Instructions to the candidates:
   1)   All questions are compulsory.
   2)   Figures to the right indicates full marks.

Q1) Multiple choice Questions. For each of the multiple type questions, choose the correct answer.   **[10]**

   a)   Which section provides a key component called Dalvilc virtual machine.

   i)   Libraties   ii)   Android Runtime

   iii) Application Framework   iv) Application

   b)   Android is based on which kernel?

   i)   Linux   ii)   Windows

   iii) Mac   iv) Redhat

   c)   Choose the correct option regarding activity in android

   i)   An activity is a window that contains the user interface of your application

   ii)   An Application can have zero or more activities

   iii) An application can have only one activity

   iv) Option i & ii are correct

   d)   Which of the following is a dialog class in android

   i)   Alertdialog   ii)   Datepicker Dialog

   iii) Progress Dialog   iv) All the above

   e)   What is manifest xml in android

   i)   It has information about layout in an application
   ii)   It has all information about an application

   iii) It has information about activities in an application

   iv) It has information about Java classes in an application

   f)   What does ES6 stands for ?

   i)   ECMAScript 6   ii)   ECMA 6

   iii) ECMA JavaScript 6   iv) E Javascript 6

P.T.O.

g) Which of the following is built in database of android

   i) SQLite   ii) MySQL

   iii) Oracle   iv) Mango Db

h) Which of the following class in android displays information for a short period of time and disappean after sometime

   i) Toast class   ii) Log class

   iii) Maketest class   iv) Main class

i) Which method is called when SQLite database needs to be upgraded

   i) on update ()   ii) onupgrade ()

   iii) onupgrade Data ()   iv) UpdateAll ()

j) _____means it will occupy the complete space available on the display of the device

   i) wrap-content   ii) match-content

   iii) match-parent   iv) wrap-parent

k) What method you should override to use Android menu system?

   i) On create option Menu ()   ii) On create Menu ()

   iii) On create context Menu ()   iv) On Menu created ()

l) What is Dart?

   i) Both ii and iii

   ii) Dart is a object-oriented programming Language

   iii) Dart is used to create a frontend user interfaces
   iv) None of the above

m) Which of the following command is used to create a react app?

   i) Install -g create-react-app

   ii) npm install create-react-app

   iii) npx create-react-app veactapp

   iv) None of the above

n) The method that is called to clean up any Resources used by service is _____

   i) Stopself ( )   ii) Onstop ( )

   iii) On Destroy ()   iv) Stop Service ()

o) RPC in web services stands for

    i) remote procedure calls

    ii) representation procedure call

    iii) reactive produce call

    iv) reductant procedure call

p) The extras can be set and read using the?

    i) Sets Extras ( ) and get Extras ( ) methods

    ii) Puts Extras ( ) and gets Extras ( ) methods

    iii) Sets Extras ( ) and gets Extras ( ) methods

    iv) Put Extras ( ) and get Extras ( ) methods

q) In which directory XML Layout Files are stored.

    i) /assets   ii) /Src

    iii) /res/values   iv) /res/layout

r) To display text which control will be used.

    i) EditText   ii) Textview

    iii) Label   iv) View Text

s) A _____is a piece of an activity which enables more modular activity design

    i) Fragment   ii) Intent

    iii) Filters   iv) Sub-Activity

t) AAPT Stands for

    i) Android Activity packaging Tool

    ii) Android Asset Packaging Tool

    iii) Android Action Packaging Tool

    iv) None of the above

Q2) Explain window Architecture with a neat diagram [6]

OR

Explain Android Architecture with a neat diagram [6]

Q3) a) Write an android application to display Alert Dialog Box on click of a buttion [6]

b) What is Layout? Explain any one layout with suitable example [6]

OR

a) What is Intent? Explain types of intent with a suitable example [6]

b) Demonstrate Array Adapter using List view to display list of fruitsname [6]

Q4) a) Write an android using SQLite to create a table student (Sid, sname, scourse, smark) and update a record of student [6]

b) What is Android JSON parsing explain with suitable example [6]

OR

a) Write short note on Content value with example [6]

b) Write android code to parse the data from JSON Array and display it in a Toast [6]

Q5) a) Write steps to build simple Flutter application [6]

b) Write a short note on Android Project Folder structure [4]

OR

a) What is React Native? State the advantages of React Native [6]

b) What is view? Explain any two view with suitable example [4]

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