

Total No. of Questions : 5]

SEAT No. :

P3348

[Total No. of Pages

[6027]31

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



Time : 2½ Hours]

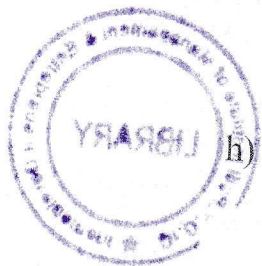
[Max. Marks : 50

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 Dalvik 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



- 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 disappear 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
- remote procedure calls
 - representation procedure call
 - reactive produce call
 - reductant procedure call
- p) The extras can be set and read using the?
- Sets Extras () and get Extras () methods
 - Puts Extras () and gets Extras () methods
 - Sets Extras () and gets Extras () methods
 - Put Extras () and get Extras () methods
- q) In which directory XML Layout Files are stored.
- /assets
 - /Src
 - /res/values
 - /res/layout
- r) To display text which control will be used.
- EditText
 - Textview
 - Label
 - View Text
- s) A _____ is a piece of an activity which enables more modular activity design
- Fragment
 - Intent
 - Filters
 - Sub-Activity
- t) AAPT Stands for
- Android Activity packaging Tool
 - Android Asset Packaging Tool
 - Android Action Packaging Tool
 - 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 button [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]

