

Oct / Nov - 2022

Total No. of Questions : 5]

PA-2561

SEAT No. :

[Total No. of Pages : 4

[5948]-301

M.C.A.- II

**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) Draw neat labeled diagram wherever necessary.

Q1) Multiple choice questions.

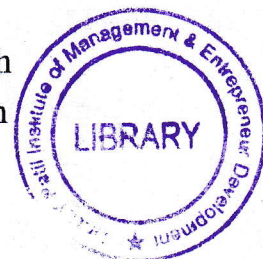
[20×½=10]

For each of the following multiple choice question, choose the correct answer.

- a) Android is based on which kernel
 - i) Linux
 - ii) Windows
 - iii) Mac
 - iv) Redhat
- b) What is manifest.xml in android
 - i) It has all information about layout in an application
 - ii) It has all information about an application
 - iii) It has all information about activities in an application
 - iv) It has information about java classes in an application
- c) Adb stands for
 - i) Android Debug Bridge
 - ii) Android Driver Bridge
 - iii) Android Delete Bridge
 - iv) Android Destroy Bridge
- d) Flutter was developed by
 - i) Oracle
 - ii) Facebook
 - iii) Google
 - iv) IBM
- e) set the gravity of the view or layout in its parent?
 - i) android: gravity
 - ii) android: layout-gravity
 - iii) android: weight
 - iv) android: orientation
- f) convert java byte code into Dalvik bytecode
 - i) Mobile Interpretive compare
 - ii) Dex compiler
 - iii) Dalvik converter
 - iv) None of the above
- g) SQLite is a
 - i) NoSQL database
 - ii) Distributed database
 - iii) Relational database
 - iv) Operational database
- h) React Native Alert API accepts two methods as
 - i) get (), post ()
 - ii) alert (), prompt ()
 - iii) get (), alert ()
 - iv) post (), prompt ()

P.T.O.

- i) The extras can be set and read using the _____
- SetExtras () and getExtras () method
 - PutExtras () and getExtras () method
 - SetExtras () and getExtras () method
 - PutExtras () and getExtras () method
- j) Firebase is a backend platform for building _____
- web application
 - IOs application
 - Android application
 - All the above
- k) Which of the following Android view sub-classes uses the webkit rendering engine to display a web pages?
- Pageview
 - Webview
 - MapView
 - HttpClient
- l) Which of the following command is used to create a react app?
- Install-g create-react-app
 - npm install create-react-app
 - npx create-react-app reactapp
 - None of the above
- m) JSON stands for _____
- Java standard output Network
 - Javascript object Notation
 - Javascript output Name
 - Java source Open Network
- n) What method you should overried to use Android menu system?
- Oncreate option menu ()
 - Oncreate Menu ()
 - On menu Created ()
 - On Create Context menu ()
- o) Which of the following are part of Android Architecture
- Applications
 - Linux kernel
 - Android Application Framework
 - All the above
- p) _____ means it will occupy the complete space available on the display of the device.
- wrap-content
 - match-content
 - match-parent
 - wrap-parent
- q) Which of the following is an application development environment for IOS?
- Cocoa
 - Cocoa touch
 - Cocoa IOs
 - Cocoa begin



- r) An android _____ is an abstract description of an operation to be performed. It can be used with Start Activity to launch Activity.
- i) Filters
 - ii) Intent
 - iii) Service
 - iv) Broadcast Receiver
- s) Which of the following is a dialog class in android
- i) AlertDialog
 - ii) DatePickerDialog
 - iii) ProgressDialog
 - iv) All the above
- t) The method that is called to cleanup any resources used by services is _____
- i) Stopself ()
 - ii) Onstop ()
 - iii) OnDestroy ()
 - iv) Stopservice ()

Q2) a) What is Fragment? Explain Fragment Life cycle. [6]

OR

b) What is Layout? Explain various Layout with suitable example [6]

Q3) a) Explain Android project folder structure. [6]

b) Explain Android Architecture with suitable diagram [6]

OR

a) What are Adapter? Explain ArrayAdapter with suitable example [6]

b) Write a short note on Dalvik Virtual Machine. [6]

Q4) a) What is Cursor? Demonstrate a SQLite database application to insert a record in table. [6]

b) What is Android XML paring explain with example [6]

OR

a) Demonstrate a webview to display the web page in an android application. [6]

b) Write a short note on firebase database. [6]



Q5) a) Explain React Native Geolocation API [6]

b) Design an android application for login activity. Write an android code to check login credentials with user name = "SPPU" & password = "Exam"
Display appropriate message to the user [4]

OR

a) Write a steps to build simple Flutler application [6]

b) Short note on Activity Life Cycle. [4]

