

Total No. of Questions : 5]

SEAT No. :

P6988

[5865] - 301

[Total No. of Pages : 4

S.Y. 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 indicate full marks.*

Q1) Multiple Choice Questions:

[10]

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

- i) Android is based on which kernel.
 - a) Linux
 - b) Windows
 - c) Mac
 - d) Redhat
- ii) What is an Activity?
 - a) A single screen with UI
 - b) A layout
 - c) A Fragment
 - d) None of the above
- iii) In which Directory XML Layout Files are stored?
 - a) /assets
 - b) /src
 - c) /res/values
 - d) /res/layout
- iv) ADB stands for
 - a) Android Driver Bridge
 - b) Android Debug Bridge
 - c) Android Delete Bridge
 - d) Android Destroy Bridge
- v) An Android _____ is an abstract description of an operation to be performed. It can be used to start Activity to launch an activity.
 - a) Filters
 - b) Intent
 - c) Service
 - d) Broadcast Receiver
- vi) SQLite is a?
 - a) No SQL database
 - b) Distributed database
 - c) Relational database
 - d) Operational database

P.T.O.

- vii) Which of the following is not a layer in Android Architecture?
- a) Libraries
 - b) Linux kernel
 - c) Android Runtime
 - d) Application Framework
- viii) The extras can be set and read using the?
- a) setExtras () and getExtras () methods
 - b) putExtras () and getExtras () methods
 - c) setsExtras () and getsExtras () methods
 - d) None of the above
- ix) Which of the following is Application development environments for iOS?
- a) Cocoa
 - b) Cocoa touch
 - c) Cocoa iOS
 - d) Cocoa begin
- x) _____ sets the gravity of a view or layout in its parent.
- a) Android : gravity
 - b) Android : Layout-gravity
 - c) Android : weight
 - d) Android : orientation
- xi) Among the following choose the one which convert Java byte code into Dalvik byte code.
- a) Dex compiler
 - b) Mobile Interpretive compiler
 - c) Dalvik converter
 - d) None of the above
- xii) _____ means it will occupy the complete space available on the display of the device.
- a) Wrap-content
 - b) Match-content
 - c) Match-parent
 - d) Wrap-parent
- xiii) React Native API accepts two methods as
- a) alert (), prompt ()
 - b) get (), post ()
 - c) get (), alert ()
 - d) post (), prompt ()
- xiv) What does ES6 stands for?
- a) ECMA Script 6
 - b) ECMA 6
 - c) ECMA Javascript 6
 - d) EJavascript 6

- Q3)** a) What is Activity? Explain Activity Life cycle. [6]
b) Demonstrate Array Adapter using Listview to display list of five subjects. [6]

OR

- a) What is Fragment? Explain Fragment Life cycle. [6]
b) Design android application for login activity. Write an android code to check login credentials with username = "SPPU" and password = "Exam". Display appropriate message on Toast to the user. [6]

- Q4)** a) Write an android application using SQLite to create employee (eid, ename, edept, esalary) table and insert a record in table and display appropriate message on toast to user. [6]
b) Write a short note on JSON parsing with example. [6]

OR

- a) Explain cursor in android with suitable example. [6]
b) Demonstrate webview to display a webpage in an android application. [6]

- Q5)** a) What is Flutter? Explain Architecture of Flutter. [6]
b) Explain Android Menu. [4]

OR

- a) What is React Native? State the advantages of React Native. [6]
b) What is view? Explain any two views with suitable Example. [4]

