



JAG-P5020

Seat No. _____

M. C. A. (Sem. V) Examination

November - 2019

P-5020 : Mobile Programming Language

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 70

- 1 (a) Answer the following : 4
- (1) Give full form of ADT
 - (2) Give full form of AVD.
 - (3) An Android application is a collection of tasks, each of which is called an _____.
 - (4) An _____ is a messaging object which is used to request an action from another application component.
- (b) Answer any one in brief : 2
- (1) What is fragment?
 - (2) List features of Android.
- (c) Answer any one in detail : 3
- (1) How to call in built applications using intents?
 - (2) Explain fragment life cycle.
- (d) Answer any one : 5
- (1) Explain Lifecycle of an Android Activity.
 - (2) Explain android architecture.
- 2 (a) Answer the following : 4
- (1) _____ is a class represents the basic building block for user interface components. It occupies a rectangular area on the screen and is responsible for drawing and event handling.
 - (2) The _____ subclass is the base class for layouts, which are invisible containers that hold other Views or ViewGroups and define their layout properties.

- (3) _____ is a view group that aligns all children in a single direction, vertically or horizontally.
- (4) Linear layout is a view group that displays child views in relative positions.
True or False?
- (b) Answer any one in brief : 2
- (1) What is UI notification?
- (2) How to control the orientation of the activity?
- (c) Answer any one in detail : 3
- (1) Explain scroll view with suitable example.
- (2) Explain anchoring view.
- (d) Answer any one : 5
- (1) Explain ActionBar with suitable example.
- (2) List and explain any one layout with suitable example.
- 3** (a) Answer the following : 4
- (1) The _____ control uses the WebKit rendering engine to draw HTML content on the screen.
- (2) A _____ control is similar to a CheckBox, but you use it to visually show the state like on or off.
- (3) A _____ view that displays one child at a time and lets the user pick among them.
- (4) Gallery is a view used to show items in a center locked, horizontal scrolling list and user will select a view and then user selected view will be shown in the center of the Horizontal list. true or false?
- (b) Answer any one in brief : 2
- (1) What is the use of AutocompleteTextView?
- (2) How to give button Programmatically?

- (c) Answer any one in detail : 3
- (1) Give an example to show DatePicker Dialog.
 - (2) Give an example to show AnalogClock and DigitalClock.
- (d) Answer any one : 5
- (1) Explain list view with suitable example.
 - (2) List and explain any one type of menu.
- 4 (a) Answer the following : 4
- (1) Which method is used to create a database?
 - (2) _____ method is used to execute insert, update or create a table query.
 - (3) _____ method is used to write some data in the file in internal storage.
 - (4) Preferences allow you to save and retrieve data in the form of key, value pair.
True or False?
- (b) Answer any one in brief : 2
- (1) What is preference?
 - (2) What are the storage options.
- (c) Answer any one in detail : 3
- (1) How to store data to internal storage?
 - (2) How to modify preferences values programmatically?
- (d) Answer any one : 5
- (1) Write code to insert and display data from database.
 - (2) How to save and access preferences using an activity?

- 5 (a) Answer the following 4
- (1) Give full form of JSON.
 - (2) Give full form of GPS.
 - (3) _____ parser will load the XML file into memory to parse the XML document
 - (4) ConnectivityManager class is used check that user is connected to the network or internet.
True or False.
- (b) Answer any one in brief 2
- (1) What is JSON parsing?
 - (2) How to send notification programmatically?
- (c) Answer any one in detail : 3
- (1) Explain location based service.
 - (2) Write steps to publish android application.
- (d) Answer any **one** : 5
- (1) Explain sending and receiving SMS programmatically with example.
 - (2) How to develop android service?
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