Time : $2\frac{1}{2}$ Hours]   [Total Marks : **70**

1   Attempt the following MCQ :   **20**

1   AVD stands for _____

✓(A) Android Virtual Device

(B) Android Video Device

(C) Android Verbal Device

(D) None

2   _____ Company owns the Android.

✓(A) Google   (B) Apple

(C) Microsoft   (D) Nokia

3   OHA stands for _____ .

✓(A) Open Handset Alliances

(B) Open Handset Apps

(C) Open Handset Alernative

(D) Open Handset Activated

4 _____ intent specify the component to start by name.

    (A) Explicit   (B) Implicit

    (C) Both   (D) None

5 MCC stands for

    (A) Mobile Country Code

    (B) Mobile Country Card

    (C) Mobile Card Counter

    (D) None

6 Java files stores under src folder.
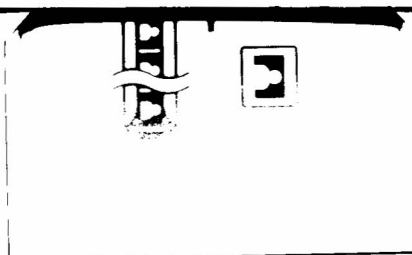
    (A) False   (B) True

7 APK file is found in _____.

    (A) src   (B) bin

    (C) libs   (D) res

8 _____ method is used to read from database.

    (A) cursor   (B) query

    (C) onclick   (D) none

9 _____is used to send and receive data in Android apps.

    (A) FTP   (B) HTTP

    (C) SMTP   (D) HTTPs

10 What is used to check the current statues of voice call in handset?

    (A) getTelephoneyManger( )

    (B) getCallState( )

    (C) getView( )

    (D) getCallList( )

11 _____method is used to issue a notification.

    (A) notification( )

    (B) flash( )

    (C) notify( )

    (D) advertise( )

12 _____is the base class of all services.

    (A) Activity   (B) Intent

    (C) Service   (D) None

13 JSON stands for.........

(A) Javascript Object Navigation

(B) Javascript Over Network

(C) Javascript Object Notation

(D) None

14 _____is the IDE for iPhone app development.

(A) Eclipse   (B) Netbeans

(C) X-Code   (D) None

15 _____tells the current interactive state of a control.

(A) Control cycle

(B) Control event

(C) Control state

(D) Control card

16 An activity can be shut down by calling its_____method.

(A) onDestory( )

(B) finishActivity( )

(C) finished( )

(D) finish( )

17 Layouts in android ?

(A) Table Layout

(B) Linear Layout

(C) Relative Layout

(D) All of the above

18 Android supports which kind of screen densities ?

(A) lower density

(B) medium density

(C) extra high density

(D) All of the above

19 _____ acquired Android in _____ year.

(A) Microsoft, 2002

(B) Apple, 2003

(C) Nokia, 2004

(D) Google, 2005

20 First smart phone running android was

(A) Nokia One

(B) Nexus 3

(C) Galaxy R

(D) HTC Dream

2 (a) Attempt the following **(any three)** :   **6**

    (1) What is DVM ?

    (2) What is Shared Preferences ?

    (3) What is View?

    (4) What is LBS?

    (5) What is map view?

    (6) What is control state in iPhone?

(b) Attempt the following **(any three)** :   **9**

    (1) Explain AndroidManifest.xml file

    (2) Explain is padding and margin.

    (3) Explain how to receive data from other apps.

    (4) Log class in Android

    (5) Android S/W Stack - Application

    (6) Explain Schema in brief

(c) Attempt the following **(any two)** :   **10**

    (1) Android Architecture

    (2) Explain Activity life cycle with example

    (3) Explain steps to publish android app

    (4) Explain SQLHelper, create a database using SQLHelper

    (5) List and explain the types of resources in Android.

3   (a)   Attempt the following **(any three)** :   6

   (1)   List various layouts and define any one.

   (2)   What is .apk file?

   (3)   Define Drawable in Res folder.

   (4)   What are the methods of data storage?

   (5)   What is Canvas?

   (6)   Explain MVC with iPhone.

   (b)   Attempt the following **(any three)** :   9

   (1)   Explain Button Shadow in iPhone.

   (2)   Explain components of XCode IDE.

   (3)   Explain AsyncTask

   (4)   Explain Intent filter

   (5)   Explain Control states and Control Events in Iphone.

   (6)   Explain Empty Application in iPhone

   (c)   Attempt the following **(any two)** :   10

   (1)   Explain how to read information from a SQL Database.

   (2)   Write a note on Cocoa Touch in iPhone.

   (3)   Explain how to get Service Information with example.

   (4)   Write a note on Spinner widget with example.

   (5)   Write a note on various Intent types.