

Multiple Choice Questions

Subject: MCAD

Semester:6th

1. **The process of transferring a mobile station from one base station to another is**
 - a. MSC
 - b. Roamer
 - c. Hand off**
 - d. Forward channel

2. **2G standards support**
 - a. Limited internet browsing
 - b. Short Messaging Service
 - c. Both a & b**
 - d. None of the above

3. **The interference between the neighbouring base stations is avoided by**
 - a. Assigning different group of channels**
 - b. Using transmitters with different power level
 - c. Using different antennas
 - d. All of the above

4. **The shape of the cellular region for maximum radio coverage is**
 - a. Circular
 - b. Square
 - c. Oval
 - d. Hexagon**


5. **Radio capacity may be increased in cellular concept by**
 - a. Increase in radio spectrum
 - b. Increasing the number of base stations & reusing the channels**
 - c. Both a & b
 - d. None of the above

6. **Hexagon shape is used for radio coverage for a cell because**
 - a. It uses the maximum area for coverage
 - b. Fewer number of cells are required
 - c. It approximates circular radiation pattern
 - d. All of the above**

 7. **The advantage of using frequency reuse is**
 - a. Increased capacity
 - b. Limited spectrum is required
 - c. Same spectrum may be allocated to other network
 - d. All of the above**

 8. **Delay in handoffs is caused due to**
 - a. Weak signal conditions
 - b. High traffic conditions
 - c. Unavailability of the channel
 - d. All of the above**

 9. **Interference in frequency bands may lead to**
 - a. Cross talk
 - b. Missed calls
 - c. Blocked calls
 - d. All of the above**

 10. **Cable television is an example of**
 - a. TDMA
 - b. FDMA**
 - c. CDMA
 - d. SDMA
- 

11. **TDMA is a multiple access technique that has**
- Different users in different time slots**
 - Each user is assigned unique frequency slots
 - Each user is assigned a unique code sequence
 - Each signal is modulated with frequency modulation technique
12. **Half duplex system for communication has**
- Communication in single direction
 - Communication in single direction at a time**
 - Communication in both directions at the same time
 - None of the above
13. **GSM is an example of**
- TDMA cellular systems**
 - FDMA cellular systems
 - CDMA cellular systems
 - SDMA cellular systems
14. **Global Positioning System uses**
- CDMA**
 - TDMA
 - FDMA
 - SDMA
15. **A “glue” between client and server parts of application.**
- Firmware
 - Middleware**
 - Package
 - System Software

16. MOM stands for

- a. Mails oriented middleware
- b. Message oriented middleware**
- c. Middleware of messages
- d. Main object middleware

17. A type of middleware that allows for between the built-in applications and the real-time OS?

- a. Firmware
- b. Database middleware
- c. Portals
- d. Embedded Middleware**

18. Which of the following memory device stores information such as subscriber's identification number in GSM?

- a. Register
- b. Flip flop
- c. SIM**
- d. SMS

19. Which of the following does not come under subsystem of GSM architecture?

- a. BSS
- b. NSS
- c. OSS
- d. Channel**

20. Which of the following subsystem provides radio transmission between mobile station and MSC?

- a. NSS
- b. BSS**
- c. OSS
- d. BSC

21. ____ manages the switching function in GSM
- a. BSS
 - b. NSS**
 - c. OSS
 - d. MSC
22. Which of the following is not an application of third generation network?
- a. Global Positioning System (GPS)
 - b. Video conferencing
 - c. Mobile TV
 - d. Downloading rate upto 1 Gbps**
23. _____ is responsible for tunneling multicast packets to the MS's currently subscribed FA.
- a. Multicast home agent**
 - b. Mobile multicast
 - c. Mobile station
 - d. Base station
24. MIN stands for
- a. Mobility In Network
 - b. Mobile Identification Number**
 - c. Mobile Internet
 - d. All of the above
25. The basic GSM is based on traffic channels
- a. circuit switching
 - b. packet switching
 - c. connection less
 - d. connection oriented**

26. SIM stand for

- a. Subscriber Interface Module
- b. Subscriber Identification Module**
- c. Subscriber Interface Modem
- d. Subscriber Identification Modem

27. IMEI stands for

- a. International Mobile Equipment Information
- b. International Mobile Educational Identity
- c. International Machine Equipment Identity
- d. International Mobile Equipment Identity**


28. What is full form of ISDN

- a. Integrated Services Double Network
- b. Integrated Services Digital Network**
- c. Inter Services Digital Network
- d. Integrated Server Digital Network

29. The transmitter-receiver combination in the satellite is known as a _

- a. Relay
- b. Repeater
- c. Transponder**
- d. Duplexer

30. What is the reason for carrying multiple transponders in a satellite?

- a. More number of operating channel**
 - b. Better reception
 - c. More gain
 - d. Redundancy
- 

31. A television (TV) transmission is an example of which type of transmission?

- a. Simplex
- b. Half duplex
- c. Full duplex
- d. None of above

32. What is application of satellite systems?

- a. whether forecasting
- b. Terrestrial communication
- c. point to point communication
- d. None of Above

33. Mention the different services of satellite systems

- a. **Broadcasting satellite services**
- b. Signal transmission
- c. Information transmission
- d. None of the above

34. For global communication, the minimum number of satellites needed is

- a. 1
- b. 3**
- c. 7
- d. 11

35. Geostationary satellites are located at a height of

- a. 3600 km from earth's surface
- b. 36,000 km from earth's surface**
- c. 3,60,000 km from earth's surface
- d. 36,00,000 km from earth's surface

36. What is ADB in android?

- a. Image Tool
- b. Development Tool
- c. Android Debug Bridge**
- d. None of above

37. In which directory XML layout files are stored

- a. /assets
- b. /src
- c. /res/values
- d. /res/layout**


38. How to pass the data between activities in Android?

- a. Intent**
- b. Content Provider
- c. Broadcast Receiver
- d. None of Above

39. How to upgrade SQLite the database from a lower version to higher version in android SQLite?

- a. Using Intent
- b. Using helper class**
- c. Using cursor
- d. None Of Above

40. What is an activity in Android?

- a. Activity performs the actions on the screen**
 - b. Manage the Application content
 - c. Screen UI
 - d. None of the above
- 

41. **Is it possible to have an activity without UI to perform action/actions?**

- a. Not possible
- b. Wrong question
- c. Yes, it is possible**
- d. None of Above

42. **How to kill an activity in Android?**

- a. finish()
- b. finishActivity(int requestCode)
- c. A & B**
- d. kill()


43. **What is android view group?**


- a. Collection of views and other child views**
- b. Base class of building blocks
- c. Layouts
- d. None of Above

44. **What are the layouts available in android?**

- a. Linear Layout
- b. Frame Layout
- c. Table Layout
- d. Relative Layout
- e. All of Above**

45. **What is the difference between margin and padding in android layout?**

- a. Margin is specifying the extra space left on all four sides in layout
 - b. Padding is used to offset the content of a view by specific px or dp
 - c. Both A and B are correct**
 - d. None of Above
- 

46. **What is AndroidManifest.xml in android??**
- a. It has information about layout in an application
 - b. It has the information about activities in an application
 - c. It has all the information about an application**
 - d. None of above
47. **Android is based on which kernal**
- a. windows
 - b. mac
 - c. redhat
 - d. linux**
48. **What is an interface in android?**
- a. Interface is a class
 - b. Interface is a layout file
 - c. Interface acts as a bridge between class and the outside world**
 - d. None of Above
49. **The Dalvik Virtual Machine (DVM) actually uses core features of**
- a. Windows
 - b. Linux**
 - c. Mac
 - d. Contiki
50. **In android studio, the tab in which error is shown is called**
- a. Logcat**
 - b. Memory
 - c. ADB logs
 - d. CPU
- 

51. The android component that manages the appearance and format on screen is called

- a. fragment
- b. Intent
- c. View
- d. Layout**

52. A method that is used to handle what happens after clicking a button is

- a. onCreate
- b. onSelect
- c. onClick**
- d. ondo

53. One of the application component, that controls the UI and manage the user interaction with phone screen is called

- a. Content Providers
- b. Activities**
- c. Broadcast Receivers
- d. Services

54. Multiple inheritance is not allowed in Java therefore in an android activity there cannot be more than one

- a. Super class**
- b. Sub class
- c. Child class
- d. Public class

55. In android, the functionality of one class can be used in other class by using option

- a. extending
- b. extends**
- c. extended
- d. extend

56. A class that displays a toast-shaped message for the user is

- a. Log class
- b. Show class
- c. makeText class
- d. Toast class**

57. The layout or design of an android application is saved in

- a. .text file
- b. .java file
- c. .dex file
- d. .xml file**


58. A type of layout element that allows its children relative position depiction is

- a. Table Layout
- b. Linear Layout
- c. Relative Layout**
- d. None of Above

59. Android sizes the fonts of mobile (currently using the app) using unit of measurement

- a. GP
- b. DP
- c. CP
- d. SP**

60. A part of android system, DVM is actually a

- a. Hardware
 - b. server
 - c. software**
 - d. firmware
- 

- 61. The package of compiled Java codes with some other resources is called**
- a. IDE
 - b. JDK
 - c. APK**
 - d. None Of above
- 62. Which of the important device characteristics that you should consider as you design and develop your application?**
- a. screen size and density
 - b. input configurations
 - c. device features
 - d. All of above**
- 63. If you want share the data across the all applications ,you should go for?**
- a. Shared Preferences
 - b. Content provider**
 - c. Internal Storage
 - d. SQLite Databases
- 64. Which of these are not one of the three main components of the APK?**
- a. Dalvik Executable
 - b. Resources
 - c. Native Libraries
 - d. Webkit**
- 65. Difference between android api and google api?**
- a. The google API includes Google Maps and other Google-specific libraries. The Android one only includes core android libraries**
 - b. The google API one only includes core android libraries. The Android includes Google Maps and other Google-specific libraries.
 - c. Both a&b
 - d. None of Above

- 66. Creating a UI (User Interface) in Android requires careful use of...**
- a. Java and SQL
 - b. **XML and Java**
 - c. XML and C++
 - d. Dream weaver
- 67. When the activity is not in focus, but still visible on the screen it is in?**
- a. running state
 - b. stopped state
 - c. **paused state**
 - d. destroyed state
- 68. What is the name of the program that converts Java byte code into Dalvik byte code?**
- a. Android Interpretive Compiler
 - b. Dalvik Converter
 - c. **Dex compiler**
 - d. Mobile Interpretive Compiler
- 69. Which among these are NOT a part of Android's native libraries?**
- a. Webkit
 - b. **Dalvik**
 - c. OpenGL
 - d. SQLite
- 70. While developing Android applications, developers can test their apps on...**
- a. Emulator included in Android SDK
 - b. Physical Android phone
 - c. Third-party Emulators (Youwave, etc.)
 - d. **All three options will work**

71. The XML file that contains all the text that your application uses.

- a. stack.xml
- b. text.xml
- c. **strings.xml**
- d. string.java

72. Dialog classes in android?

- a. AlertDialog
- b. ProgressDialog
- c. DatePickerDialog
- d. **All of the above**


73. Intents

- a. are messages that are sent among major building blocks
- b. trigger activities to begin, services to start or stop, or broadcast
- c. are asynchronous
- d. **all of those**

74. What built-in database is Android shipped with?

- a. MySQL
- b. Apache
- c. Oracle
- d. **SQLite**

75. Which one is not a nickname of a version of Android?

- a. cupcake
 - b. Gingerbread
 - c. Honeycomb
 - d. **Muffin**
- 

76. What does the .apk extension stand for?

- a. **Android Application Package**
- b. Application Program Kit
- c. Android Proprietary Kit
- d. Android Package

77. When an activity doesn't exist in memory it is in

- a. **Starting state**
- b. Running state
- c. Loading state
- d. Inexistent state


78. What is contained within the AndroidManifest.xml file?

- a. The list of strings used in the app
- b. The source code
- c. **The permissions the app requires**
- d. All other choices

79. What is contained within the Layout xml file?

- a. The permissions required by the app
- b. **Orientations and layouts that specify what the display looks like**
- c. The strings used in the app
- d. The code which is compiled to run the app

80. What is an Activity?

- a. **A single screen the user sees on the device at one time**
 - b. A message sent among the major building blocks
 - c. A message sent among the major building blocks
 - d. Context referring to the application environment
- 

81. Android Applications must be signed

- a. After they are installed
- b. **Before they are installed**
- c. Never
- d. Within two weeks of installation

82. AVD stand for

- a. Android Virtual Display
- b. Active Virtual Device
- c. Application Virtual Display
- d. **Android Virtual Device**


83. What runs in the background and doesn't have any UI components?

- a. Intents
- b. Content Providers
- c. **Services**
- d. Applications

84. Android releases since 1.5 have been given nicknames derived how?

- a. Adjective and strange animal
- b. **Food**
- c. Something that starts w/ 'A' -> Something that starts w/ 'B'...
- d. American states

85. Android is based on Linux for the following reason

- a. Security
 - b. Portability
 - c. Networking
 - d. **All of these**
- 

86. What part of the Android platform is open source?

- a. low-level Linux modules
- b. native libraries
- c. application frame work
- d. **all of these answers**

87. The R file is a(an) generated file

- a. **Automatically**
- b. Manually
- c. Emulated
- d. none of the above


88. What is the purpose of the ContentProvider class?

- a. To play rich media content files
- b. To create and publish rich media files
- c. **To share data between Android applications**
- d. To access the global information about an application environment

89. Which file specifies the minimum required Android SDK version your application supports?

- a. Main.xml
- b. R.java
- c. String.xml
- d. **AndroidManifest.xml**

90. Android doesn't support which format.

- a. MP4
 - b. MPEG
 - c. **AVI**
 - d. MIDI
- 

91. Android supports which features

- a. Multitasking
- b. Bluetooth
- c. Video calling
- d. All of the above**

92. If you want to increase the whitespace between widgets, you will need to use the _____ property

- a. Android:padding**
- b. Android:digits
- c. Android:capitalize
- d. Android:autoText

93. For _____ , code used by Android is not a open source

- a. Device driver
- b. video driver
- c. WiFi driver**
- d. Bluetooth driver

94. What is mean by ANR?

- a. Application not Recognized
- b. Application Not Responding**
- c. Android not recognized
- d. none of these

95. DDMS stand for

- a. Dalvik Data Machine Service
- b. Dalvik Data Monitor Software
- c. Dalvik Debug Monitor Service**
- d. Dalvik Debug Monitor Software

96. Which method of intent used to pass data form one activity to other activity in android?

- a. sendData()
- b. putData()
- c. putExtra()**
- d. none of Above

97. OHA stand for

- a. Online Handset Alliance
- b. Open Handset Allover
- c. Open Handset Alliance**
- d. Open Helpful Alliance

98. Which menu is shown by long pressing on widget in Android ?

- a. System Menu
- b. Custom Menu**
- c. Handset Menu
- d. Hardware Menu

99. API stand for

- a. All Program Interface
- b. Application Program Interface**
- c. Application Program Internet
- d. Android Project Interface

100. DVM stand for

- a. Dalvik Virtual Monitor
- b. Dalvik Virtual Machine**
- c. Data Virtual Machine
- d. Data Virtual Monitor

- 101. Android web browser based on**
- a. chrome
 - b. open source web kit**
 - c. safari
 - d. firefox
- 102. How Many Levels Of Securities Are In Android?**
- a. Android Level Security
 - b. App And Kernel Level Security**
 - c. Java Level Security
 - d. None of Above
- 103. Which Of The Following Does Not Belong To Transitions?**
- a. ViewFlipper
 - b. ViewAnimator
 - c. ViewSwitcher
 - d. ViewSlider**
- 104. Definition of Loader?**
- a. loaders make it easy to asynchronously load data in an activity or fragment**
 - b. loaders make it easy to synchronously load data in an activity or fragment
 - c. loaders does not make it easy to asynchronously load data in an activity or fragment
 - d. None of above
- 105. What is the name of the program that converts Java byte code into Dalvik byte code?**
- a. Android Interpretive Compiler
 - b. Dalvik Converter
 - c. Dex compiler**
 - d. Mobile Interpretive Compiler

- 106. Which among the following are part of "Application" layer of Android Architecture?**
- a. Contacts
 - b. Browser
 - c. Phone
 - d. **All of these**
- 107. What was the first phone released that ran the Android OS?**
- a. Google gPhone
 - b. **T-Mobile G1**
 - c. Motorola Droid
 - d. HTC Hero
- 108. Which one is NOT related to fragment class?**
- a. DialogFragment
 - b. ListFragment
 - c. PreferenceFragment
 - d. **CursorFragment**
- 109. A _____ makes a specific set of the application data available to other applications?**
- a. **Content provider**
 - b. Broadcast receivers
 - c. Intent
 - d. None of these
- 110. What Activity method you use to retrieve a reference to an Android view by using the id attribute of a resource XML?**
- a. findViewByIdReference(int id)
 - b. **findViewById(int id)**
 - c. retrieveResourceById(int id)
 - d. findViewById(String id)

- 111. What was Google’s main business motivation for supporting Android?**
- a. To level the playing field for mobile devices
 - b. To directly compete with the iPhone
 - c. To corner the mobile device application market for licensing purposes
 - d. To allow them to advertise more**
- 112. The requests from Content Provider class is handled by method?**
- a. onCreate
 - b. onSelect
 - c. OnClick
 - d. ContentResolver**
- 113. What year was the Open Handset Alliance announced?**
- a. 2005
 - b. 2006
 - c. 2007**
 - d. 2008
- 114. Android releases since 1.5 have been given nicknames derived from how?**
- a. Adjective and strange animal
 - b. Food**
 - c. Something that starts w/ ‘A’ -> Something that starts w/ ‘B’...
 - d. American states
- 115. What are the indirect Direct subclasses of Services?**
- a. RecognitionService
 - b. RemoteViewsService
 - c. SpellCheckerService
 - d. InputMethodService**

- 116. The android library that provides access to UI pre-built elements such as buttons, lists, views etc. is?**
- a. android.text
 - b. android.os
 - c. android.view
 - d. android.webkit**
- 117. When developing for the Android OS, Java bytecode is compiled into what?**
- a. Java source code
 - b. Dalvik application code
 - c. Dalvik byte code**
 - d. C source code
- 118. An activity can be thought of as corresponding to what?**
- a. A Java project
 - b. A Java class**
 - c. A method call
 - d. An object field
- 119. DVM is developed by?**
- a. Linus Torvald
 - b. Dennis Ritchie
 - c. Dan Bornstein**
 - d. None of these
- 120. What built-in database is Android shipped with?**
- a. SQLite**
 - b. Apache
 - c. MySQL
 - d. Oracal

121. Which of the following is NOT an activity we will be creating for the YAMBA project?
- a. Preferences Activity
 - b. **Update Activity**
 - c. Timeline Activity
 - d. Status Activity
122. What is the driving force behind an Android application and that ultimately gets converted into a Dalvik executable?
- a. **Java source code**
 - b. R-file
 - c. The emulator
 - d. The SDK
123. What is a funny fact about the start of Android?
- a. It was originally going to be called UFO
 - b. **The first version of Android was released without an actual phone on the market**
 - c. Android's main purpose was to unlock your car door when you left the keys inside of it
 - d. Was going to be a closed source application to make more money for its company
124. Status data will be exposed to the rest of the Android system via:?
- a. Intents
 - b. **A content provider**
 - c. Network receivers
 - d. Altering permissions
125. What is contained within the Layout xml file?
- a. **Orientations and layouts that specify what the display looks like**
 - b. The permissions required by the app
 - c. The strings used in the app

- d. The code which is compiled to run the app
- 126. When an activity doesn't exist in memory it is in?**
- a. **Starting state**
 - b. Running state
 - c. Loading state
 - d. Inexistent state
- 127. Which Android version had the greatest share of the market as of January 2011?**
- a. 1.1
 - b. 1.5**
 - c. 2.3
 - d. 3.4
- 128. The emulated device for android?**
- a. **Runs the same code base as the actual device, all the way down to the machine layer**
 - b. Is more of a simulator, and acts as a virtual machine for the Android device
 - c. Runs the same code base as the actual device, however at a higher level
 - d. An imaginary machine built on the hopes and dreams of baby elephants
- 129. Why the so few users are left with versions 1.0 and 1.1?**
- a. The first phones were released with version 1.5
 - b. 1.0 and 1.1 had security holes that forced carriers to recall phones using them
 - c. 1.0 and 1.1 are just number designations for the version Apple's iPhone is running
 - d. Everyone with 1.0 and 1.1 were upgraded to 1.5 over the air automatically**
- 130. Intents?**
- a. are messages that are sent among major building blocks
 - b. trigger activities to being, services to start or stop, or broadcast
 - c. are asynchronous
 - d. all of those**

131. Which of the following is NOT a state in the lifecycle of a service?
- a. Starting
 - b. Running
 - c. Destroyed
 - d. Paused**
132. What is contained within the manifest xml file?
- a. The permissions the app requires**
 - b. The list of strings used in the app
 - c. The source code
 - d. All other choices
133. How does Google check for malicious software in the Android Market?
- a. Every new app is scanned by a virus scanner
 - b. Users report malicious software to Google**
 - c. Google employees verify each new app
 - d. A separate company monitors the Android Market for Google
134. Which of the following function calls can be used to start a Service from your Android application?
- a. bindService
 - b. startService
 - c. runService
 - d. Both a & b**
135. Which of the following are classes that can be used to handle the Bluetooth functionality on a device?
- a. Adapter
 - b. Manager
 - c. Matcher
 - d. BluetoothAdapter**

136. Which of the following can be used to bind data from an SQL database to a ListView in an Android application?
- SimpleCursor
 - SimpleCursorAdapter**
 - SimpleAdapter
 - SQLiteCursor
137. What is “Android-dx”?
- A command line tool to create Android project files
 - A framework to create unit tests for Android projects
 - A tool to generate Android byte code from .class files**
 - A resource editor to create user interface for Android applications
138. Which of the following would you have to include in your project to use the APIs and classes required to access the camera on the mobile device?
- Import android drivers
 - Import android hardware camera**
 - Import android camera
 - Import android util
139. Which of the following are UI elements that you can use in a window in an Android application?
- TextBox
 - TextView
 - EditText
 - Both b&c**
140. Which of the following is the parent class for the main application class in an Android application that has a user interface?
- MIDLet
 - AndroidApp
 - Activity**

- d. AppLet
- 141. What is the purpose of the ContentProvider class?**
- a. What is the purpose of the ContentProvider class
 - b. To create and publish rich media files
 - c. To share data between Android applications**
 - d. To access the global information about an application environment
- 142. Which of the following are valid features that you can request using requestWindowFeature?**
- a. FEATURE_NO_TITLE
 - b. FEATURE_NO_ICON
 - c. FEATURE_RIGHT_ICON
 - d. Both a& c**
- 143. Immediate base class for activity and services?**
- a. **CONTEXT**
 - b. CONTEXTAPP
 - c. APPLICATIONCONTEXT
 - d. ONCREATE
- 144. Which of the following fields of the Message class should be used to store custom message codes about the Message?**
- a. tag
 - b. What**
 - c. Arg1
 - d. userData
- 145. What is “Android-Positron”?**
- a. A command line tool to create Android project files
 - b. A framework to create unit tests for Android projects**
 - c. A resource editor to create user interface for Android applications
 - d. A tool to generate Android byte code from .class files

146. Which of the following can be accomplished by using the `TelephoneNumberUtil` class?
- Save a phone number to the contacts in the phone device
 - Retrieve a phone number from the contacts in the phone device
 - Delete a phone number from the contacts in the phone device
 - Format an international telephone number**
147. Which of the following would you have to include in your project to use the `SimpleAdapter` class?
- `import android.content`
 - `import android.widget`**
 - `import android.database`
 - `import android.database.sqlite`
148. Which of the following should be used to save the unsaved data and release resources being used by an Android application?
- `Activity.onStop()`
 - `Activity.onPause()`
 - `Activity.onDestroy()`**
 - `Activity.onShutdown()`
149. Which of the following can you use to add items to the screen menu?
- `Activity.onCreateOptionsMenu`
 - `Activity.onCreate`
 - `Activity.onPrepareOptionsMenu`
 - Both a&b**
150. Which of the following can you use to display a progress bar in an Android application?
- `ProgressBar`
 - `ProgressDialog`
 - `ProgressView`

d. Both a&b

