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Instruction: All Questions in **Section I** carry equal marks  
Attempt any **THREE** questions in **Section I**  
Question IX in **Section II** is **COMPULSORY**.

**Section I****Q-I Write the following:**

- (A) Explain history of mobile software development. [07]  
(B) Explain Anatomy of android application. [07]

**Q-II Write the following:**

- (A) Explain open handset alliance. [07]  
(B) What is android? and why Android is hailed as the first complete, open, and free mobile platform? [07]

**Q-III Write the following:**

- (A) Explain life cycle of Activity [07]  
(B) Explain Android Manifest file and its common settings . [07]

**Q-IV Write the following:**

- (A) Explain Broadcast intent and broadcast receiver. [07]  
(B) Explain drawables folder in working of resources. [07]

**Q-V Write the following:**

- (A) What is layout Explain all layouts with example [07]  
(B) What is Animation? Explain types of animation ? [07]

**Q-VI Write the following:**

- (A) What is ListView? Explain ListView with list of attributes. [07]  
(B) What is TimePicker? Explain TimePicker with list of attributes. [07]

**Q-VII Write the following:**

- (A) Explain Content provider.? Explain Content URIs with example. [07]  
(B) Explain SQLite database. [07]

**Q-VIII Write the following:**

- (A) Explain Networking API? [07]  
(B) Explain Web API? [07]

(P.T.O)

## Section II

Q IX Attempt any EIGHT MCQS

[08]

- 1) In android, compiled code is executed by part of android system called
  - A. DEX    B. DVM    C. JDK    D. API
- 2) A part of android studio, that work as a simulator for android devices is called
  - A. Driver    B. emulator    C. stub    D. firmware
- 3) Code that provide easy way to use all android features is called
  - A. API    B. DEX    C. DVM    D. JDK
- 4) Android content provider architecture, component that does not resides on data layer is
  - A. Internet    B. SQLite    C. Files    D. content provider
- 5) In android studio, each new activity created must be defined in
  - A. res/layout    B. res/values    C. Build.gradle    D. AndroidManifest.xml
- 6) What method you should override to use android menu system?
  - A. onCreateOptionsMenu()    B. onCreateMenu()    C. onCreateOptionsMenu()    D. onCreateContextMenu
- 7) Explain android activity life cycle?
  - A. onCreate() -> onStart() -> onActivityCreated() -> onResume() -> onPause() -> onStop() -> onActivityDistroy() -> onDestroy()
  - B. onCreate() -> onStart() -> onResume() -> onPause() -> onStop() -> onRestart() -> onDestroy()
  - C. onCreate() -> onStart() -> onPause() -> onResume() -> onStop() -> onDestroy()
  - D. -> onResume()
- 8) Broadcast that includes information about battery state, level, etc. is
  - A. android.intent.action.BATTERY\_CHANGED
  - B. android.intent.action.BATTERY\_LOW
  - C. android.intent.action.BATTERY\_OKAY
  - D. android.intent.action.CALL\_BUTTON

9) One of application component, that manages application's background services is called

- A. Activities B. Broadcast Receivers C. Services D. Content Providers

10) Tab that can be used to do any task that can be done from DOS window is

- A. TODO B. message C. terminal D. comments

11) Android component that controls external elements of file is called

- A. Intent B. resource C. view D. manifest

12) What does .apk stands for

- A. Android Package B. Android Proprietary Kit C. Application Program Kit D. Application Package

13) In the end, it is closed by ?

- A. > B. ?> C. :> D. />

14) View refers to the?

- A. android.View.view class B. android.view.View class  
C. android.view class D. android.View class

15) The Log.d() method has been used to generate log messages

- A. TRUE B. FALSE C. Can be true or false D. Can not say

16) Which callback is called when the activity becomes visible to the user?

- A. onCreate() B. onStart() C. onResume() D. onPause()
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