

Program: BE Information Technology Engineering

Curriculum Scheme: Revised 2016

Examination: Final Year Semester VII

Course Code: ITDLO7032

Course Name: Mobile Application Development

Time: 2 hour

Max. Marks: 80

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Note to the students: - All the Questions are compulsory and carry equal marks.

| Q.1. | MCQs | 2 Marks each |
|-------------|---|---------------------|
| Q1. | What does the .apk extension stand for? | |
| Option A: | Application Package | |
| Option B: | Application Program Kit | |
| Option C: | Android Proprietary Kit | |
| Option D: | Android Package | |
| | | |
| Q2. | What operating system is used as the base of the Android stack? | |
| Option A: | Linux | |
| Option B: | Windows | |
| Option C: | Java | |
| Option D: | XML | |
| | | |
| Q3. | The android library that provides access to graphics is | |
| Option A: | android.content | |
| Option B: | android.opengl | |
| Option C: | android.app | |
| Option D: | android.database | |
| | | |
| Q4. | Which class is used to access to the system location services? | |
| Option A: | LocationManager | |
| Option B: | Object | |
| Option C: | GoogleManager | |
| Option D: | Map | |
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| Q5. | What was Google's main business motivation for supporting Android? | |
| Option A: | To level the playing field for mobile devices | |
| Option B: | To directly compete with the iPhone | |
| Option C: | To corner the mobile device application market for licensing purposes | |
| Option D: | To allow them to advertise more | |
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| Q6. | A type of service provided by android that shows messages and alerts to user is | |
| Option A: | Content Providers | |
| Option B: | View System | |

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| Option C: | Activity Manager |
| Option D: | Notification Manager |
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| Q7. | If you know the address of a location but want to know its latitude and longitude, then which class is used? |
| Option A: | Geocoder |
| Option B: | Location |
| Option C: | MapViewLocation |
| Option D: | Map |
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| Q8. | The XML file that contains all the text that your application uses. |
| Option A: | stack.xml |
| Option B: | text.xml |
| Option C: | strings.xml |
| Option D: | string.java |
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| Q9. | _____ is mandatory part of the Intent object. |
| Option A: | Action |
| Option B: | Data |
| Option C: | Category |
| Option D: | Flags |
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| Q10. | _____ method sends broadcasts to all receivers in an undefined order, when an even is occurs. |
| Option A: | sendOrderedBroadcast() |
| Option B: | onBind() |
| Option C: | sendBroadcast() |
| Option D: | onStart() |
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| Q11. | The system automatically sends _____ when various system events occur, such as when the system switches in and out of airplane mode. |
| Option A: | Messages |
| Option B: | Broadcasts |
| Option C: | Triggers |
| Option D: | Events |
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| Q12. | _____ method is called when the activity is becoming visible to the user. |
| Option A: | onCreate() |
| Option B: | onStart() |
| Option C: | onPause() |
| Option D: | onResume() |
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| Q13. | Every Android application must have a manifest file named_____. |
| Option A: | MainActivity.xml |
| Option B: | MainActivity.Java |
| Option C: | AndroidManifest.xml |

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| Option D: | AndroidManifest.java |
| Q14. | Because of limited resources, when it's time to start killing off processes, the Android platform selects _____ process to kill first. |
| Option A: | Foreground |
| Option B: | Visible |
| Option C: | Background |
| Option D: | Empty |
| Q15. | Android is developed and maintained by the organization called _____. |
| Option A: | ISO |
| Option B: | OHA |
| Option C: | UMTS |
| Option D: | CDMA |
| Q16. | Android Run Time virtual machine uses _____ compilation approach. |
| Option A: | AOT |
| Option B: | JIT |
| Option C: | VM |
| Option D: | DVM |
| Q17. | _____ is a piece of an activity which enable more modular activity design, and it is a kind of sub-activity . |
| Option A: | Layout |
| Option B: | View |
| Option C: | Fragment |
| Option D: | Activity |
| Q18. | _____ is a messaging object that facilitate communication between App components in several ways. |
| Option A: | Activity |
| Option B: | Service |
| Option C: | Intent |
| Option D: | BroadcastReceiver |
| Q19. | For using Google map which permission you will specify in the AndroidManifest.xml? |
| Option A: | USEMAP |
| Option B: | USE_GOOGLE_MAP |
| Option C: | INTERNET |
| Option D: | MapView |
| Q20. | What is the library of Map View in android? |
| Option A: | com.map |
| Option B: | com.google.googlemaps |
| Option C: | in.maps |
| Option D: | com.google.android.maps |

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| Q2 | Solve any 4 out of 6 | (5 marks each) |
| A | Explain Android features. | |
| B | Explain Android Application components. | |
| C | What is Externalizing Resources in Android? Explain with example. | |
| D | How to access camera in Android? Explain. | |
| E | Explain shared preferences in Android. | |
| F | Explain playing audio in Android with program. | |

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| Q3 | Write short notes on any 4 out of 6 | (5 marks each) |
| A | Recent Android Attacks | |
| B | Geocoder | |
| C | XML and JSON parsing in Android | |
| D | Android Adapters | |
| E | Evolution of Android OS | |
| F | Android Download Manager | |