USN [ ][ ][ ][ ][ ][ ][ ][ ][ ]   **Course Code** | 2 | 1 | C | S | 6 | 9 | 0 | B |

Sixth Semester B.E. Degree Examinations, September / October 2024
MOBILE APPLICATION DEVELOPMENT
(CSE & AIML)

Duration: 2 hr   **Max. Marks: 100**

Note: *1. All questions are compulsory 2. Each question carries 1 mark 3. Use only black ball point pen*
       4. Darkening two circles for the same question marks the answer invalid
       5. Damaging/overwriting using whiteners on the OMR are strictly prohibited.

Q. No	*Question*

1. Android is _____.
   A. an operating system   C. a web server
   B. a web browser   D. None of these

2. For which of the following Android is mainly developed?
   A. Servers   B. Desktops   C. Mobile devices   D. Laptops

3. Which of the following is the first mobile company released that ran the Android OS?
   A. Google gPhone   B. HTC   C. T - Mobile G1   D. None of these

4. Android is a _____for mobile devices that includes an operating system, middleware and key applications.
   A. System software   C. Software Stack
   B. Application Software   D. Software Service

5. Which of the following virtual machine is used by the Android operating system?
   A. JVM   C. Simple virtual machine
   B. Dalvik virtual machine   D. None of these

6. APK stands for -
   A. Android Phone Kit   C. Android Package Kit
   B. Android Page Kit   D. None of these

7. Which of the following converts Java byte code into Dalvik byte code?
   A. Dalvik converter   C. Mobile interpretive compiler (MIC)
   B. Dex compiler   D. None of these

8. Which of the following kernel is used in Android?
   A. MAC   B. WINDOWS   C. LINUX   D. Android

9. Which of the following is the topmost layer of Android architecture?
   A. System Libraries and Android Runtime   C. Applications
   B. Linux Kernel   D. Applications Framework

10. Which company developed android?
   A. Google technology company Android   C. American technology corporation Android
   B. American technology company Android   D. Android technology company Android

11. Android architecture consists of ___ number main layers.
   A. 4   B. 3   C. 5   D. 6

12. Linux kernel layer contains all the low-level _____for the various hardware components of an Android devices.
   A. Device Manager   B. Framework   C. Device Drivers   D. None of These

13. Which of the layer is below the topmost layer of Android architecture?
   A. System Libraries and Android Runtime   C. Linux Kernel
   B. Applications   D. Applications Frameworks

Note: (**RBTL - Revised Bloom's Taxonomy Level: CO - Course Outcome: PI - Performance Indicator**)

14. Dalvik is a specialized _____designed specifically for Android.
  A. Virtual Manager   B. Virtual Machine   C. Visual Machine   D. Visual Manager

15. Success of the applications, play a very vital role in determining whether a new platform _____ or _____.

  A. Swims, Sinks   B. Benefit, lost   C. Gain, Lose   D. None

16. What was the main reason for replacing the Java VM with the Dalvik VM when the project began?
  A. Java VM ran too slow   C. Java virtual machine was not free
  B. Java VM was too complicated to configure   D. There was not enough memory capability

17. Select a component which is NOT part of Android architecture
  A. Android framework   B. Android document   C. Linux kernel   D. Libraries

18. Web browser available in android is based on_____.
  A. Chrome   B. Firefox   C. Open-source   D. Opera

19. Android supports which features.
  A. Multitasking   B. Bluetooth   C. Video calling   D. All of these

20. When developing for the Android OS, Java byte code is compiled into what?
  A. Java source code   C. Dalvik application code
  B. Dalvik byte code   D. C source code

21. What is an activity in Android?

  A. A single screen   B. Android package   C. Android class   D. None of theses

22. Which of the following is not an activity lifecycle callback method?

  A. onClick() method   B. onCreate() method   C. onStart() method   D. onBackPressed()

23. In which state is the activity, if it is not in focus, but still visible on the screen?
  A. Paused state   B. Stopped state   C. Destroyed state   D. Running state

24. How can we kill an activity in Android?
  A. Using finish() method   C. Both (a) and (b)
  B. Using finish Activity (int request Code)   D. Neither (a) nor (b)

25. During an activity life-cycle, what is the first callback method invoked by the system?
  A. onCreate()   B. onRestore()   C. onStop   D. onStart

26. A type of service provided by Android that controls application lifespan and activity pile is

  A. Activity Manager   C. Notifications Manager
  B. View System   D. Content Providers

27. The activity needs to be stopped by doing any operation until the resumed callback is called, the type of callback is
  A. onResume()   B. onPause()   C. onDestroy()   D. onStop()s

28. Which of the following is contained in the *src* folder?

  A. XML   B. Manifest   C. Java source code   D. None

29. Which of the following method in android is used to log debug messages?

  A. Log.d()   B. Log.R()   C. Log.r()   D. Log.D()

30. Error in Android is shown in
  A. ADB   B. CPU   C. Logcat   D. Memory

31. Which of the following lines of code is used to pass a value to the next activity?
  A. Intent i = new Intent(this,newActivity);   C. addExtra("test"); startActivity(i);
  B. putValue("test"); startActivity(i);   D. putExtra("value1","test"); startActivity(i);

32. What is fragment life cycle in android?
  A. onReceive   C. onCreate
  B. onAttach->onCreate –> onCreateView –>   D. None of these.
     onActivityCreated –> onStart –> onResume

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33. What is a correct statement about an XML layout file?
    A. A file used to draw the content of an Activity
    B. A layout PNG image file
    C. A file that contains all application permission information
    D. A file that contains a single activity widget.

34. When is on Destroy View() method is called?
    A. when the fragment is detached from the activity
    B. when the fragment's view is being removed
    C. when the activity's on Create() method has been returned
    D. to create the view for the fragment

35. The getActivity() method retrieves a PendingIntent object and you set it by using which arguments:
    A. context   B. request code   C. intent   D. All of the these

36. In android mini-activities are also known as.
    A. Adapter   B. Activity   C. Fragments   D. None of the these

37. Suppose that there are two activities in an application named Activity One and Activity Two. You want to invoke Activity Two from Activity One. What code you will write?
    A. Intent intent=new Intent (this, ActivityTwo.class); startActivity(intent);
    C. Option A and B are correct.
    D. None of the these
    B. startActivity(new Intent(this, ActivityTwo.class));

38. The types of intents in android is\are
    A. Explicit intents   B. Implicit intents   C. Start intents   D. Option A and B

39. Which of the following is not a valid Android resource file name?
    A. mylayout.xml   B. myLaysout.xml   C. mylayout1.xml   D. my_layout.xml

40. Which is an XML file that contains important information about an Android app?
    A. Manifest file   B. R file   C. Layout file   D. Strings XMLs

41. All layout classes are the subclasses of
    A. Android.widget   B. android.view.View   C. android.view.GroupView   D. None

42. An activity contains _____ and _____.
    A. Views and activity   B. Views and   C. Activity and view   D. Activity and Layout

43. When a button is clicked, which listener you can use?
    A. SetOnClickListener   B. OnClickListener   C. ClickListener   D. None

44. To display text which control you will use?
    A. EditText   B. Button   C. label   D. TextView

45. Which of the following are UI elements that you can use in a window in an Android application?
    A. TextBox   B. TextView   C. EditText   D. Both B & C

46. _____ views are commonly used views such as the TextView, EditText and Button Views.
    A. Frame view   B. Table View   C. Basic View   D. Picker view

47. In order to automatically adjust to fit the content, the layout_height must be set to _____.
    A. wrap content   B. fill parent   C. X and Y coordinate   D. Match Parent

48. The _____ attribute is an identifier for a view so that it may later be retrieved using the View.findViewById method.
    A. X axis   B. id   C. Y axis   D. Layout

49. _____ sets the gravity of the view or layout in its parent?
    A. android:layout_gravity   B. android:gravity   C. android:weight   D. android:orientation

50. Layouts are defined in the form of _____ files that cannot be changed by our code during runtime.s
    A. XML   B. JAVA   C. DVK   D. ADB

51. Which of the following listed view hierarchies is not valid
    A. LinearLayout >
       TextView,
       TextView,
       ImageView
    B. ScrollView >
       LinearLayout >
       TextView, Button,
       ScrollView >
       TextView
    C. TextView >
       TextView,
       ImageView,
       ScrollView
    D. ConstraintLayout >
       TextView, EditText,
       Button

52. Which of the following visibility attribute values, if set on a view, makes it so the view is hidden and does not take up any space in the layout?

    A. visible   B. invisible   C. gone   D. hide

53. sp stands for.
    A. Shape-independent pixel.   C. Size-independent pixel.
    B. Scale-independent pixel.   D. Screen-independent pixel.

54. Which of the following is the parent class of service?
    A. object   B. contextWrapper   C. context   D. contextThemeWrapp

55. Which is RelativeLayout attribute
    A. android:toRightOf="
       @id+/Apple"
    B. android:layout_
       ="@id/Apple"
    C. android:layout_to
       RightOf="Apple"
    D. android:layout_toRig
       htOf="@id/Apple"

56. User Interface emphasizes which mobile screen orientation?
    A. Landscape   C. Both are equally important
    B. Portrait (vertical)   D. Depends on the specific app functionality

57. What UI element allows users to choose a single option from a list?

    A. Radio Button   B. Checkbox   C. Spinner   D. Toggle Switch

58. What is the purpose of padding in a mobile UI layout?

    A. To control the element's   C. To define margins between elements
    B. To set the text size of an element   D. To change the background color.s

59. How can you specify that an element should fill the available horizontal space?

    A. layout_width=
       "wrap_content"
    B. layout_width=
       "auto"s
    C. layout_width="fix
       ed"
    D. layout_width="matc
       h_parent"

60. Which attribute allows you to position an element relative to another component of the layout?

    A. layout_gravity   B. layout_align   C. layout_weight   D. layout_margins

61. When using a ScrollView, which layout attribute allows you to define the content that should be scrollable?
    A. android:fillViewport="true"   C. layout_content_scrollable="true"
    B. layout_scrollable="true"   D. layout_scroll_view="true"

62. Which of the following is Dialog classes in android?
    A. AlertDialog   B. ProgressDialog   C. DatePickerDialog   D. ALL

63. Which of the following can you use to display a progress bar in an Android application?
    A. ProgressBar   B. ProgressDialog   C. ProgressView   D. Both A & B

64. What is the parent class of all Activity widgets?
    A. ViewGroup   B. Layout   C. View   D. Widget

65. Which of the following android view sub-classes uses the WebKit rendering engine to display web pages?
    A. PageView   B. WebView   C. MapView   D. HttpClient

66. _____ are the views that enable users to select from a list, such as Date and Time picker views.
    A. Basic View   B. WebView   C. List view   D. Spinner

67. _____ are views that display a long list of items.
    A. List view   B. Specialised fragments   C. Frame view   D. Grid views

68. _____ is a pre defined subclass of textview that includes rich editing capabilities.
    A. Button   B. Textview   C. Edittext   D. ImageButton

69. _____ is used when presenting users with a group of selectable options that are not mutually exclusive.
    A. Check Box   B. Toggle button   C. Frame view   D. Grid view

70. The _____ view provides visual feedback about some ongoing tasks, such as performing a task in a background.s
    A. Spinner   B. Image button   C. Toggle button   D. Progress bars

71. _____ displays checked/unchecked states using a light indicator .
    A. CheckBox   B. ToggleButton   C. RadioButtons   D. Switch

72. A _____ is used to group one or more RadioButton views.
    A. ButtonView   B. TextView   C. ViewGroup   D. RadioGroup

73. _____ is similar to Button view , expect that it also displays an image.
    A. EditView   B. ButtonView   C. TextView   D. ImageView

74. Which of the following is Dialog classes in android?
    A. AlertDialog   B. ProgressDialog   C. DatePickerDialog   D. All of these

75. What view is used to display a list of items in a dropdown menu?
    A. Spinner   B. ListView   C. GridView   D. ScrollView

76. What method retrieves a string resource in an Android application?
    A. getResource().getStringResource()   C. getString(R.string.string_name)
    B. getStringResource()   D. getResourceStringR.string.string_name)

77. What method is used to find a view by its ID in an activity?
    A. findViewById()   B. getViewById()   C. findViewWithId() D. getViewWithId()

78. Which method is used to set the text of a TextView in Java?
    A. setTextView()   B. setString()   C. setText()   D. setViewText()

79. Which method is used to set the list of suggestions in an AutoCompleteTextView?
    A. setText()   B. setAdapter()   C. setThreshold()   D. setAdapter(ArrayAdapter adapter)

80. Which method is commonly overridden to save an activity's state?
    A. onPause()   B. onStop()   C. onSaveInstanceState()   D. onRestart()

81. SharedPreferences stores the data in which format?
    A. TXT   B. XML   C. JAVA   D. DOC

82. The first step when working with SQLite is to create a class that inherits from a helper class, what is it?
    A. SQLiteOpenHelper class   C. SQLiteDatabaseHelper class
    B. SQLiteHelper class   D. SQLiteDatabase class

83. In Android, by default, SQLite database save data in?
    A. Memory   B. External Storage   C. Internal Storage   D. On the cloud

84. Which database is natively supported by android?
    A. MSSQL   B. MySQL   C. SQLite   D. Oracle

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85. There are five different methods to store persistent data. They are: Shared Preference, Internal Storage, External Storage, Network and _____?

  A. Core Data   B. SQLite Database   C. Web Service   D. DBHelper

86. What is the most common file type of media supported for audio playback on the Android?

  A. mp3   B. midi   C. ogg   D. wav

87. The android component that works like database

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

88. The android component that shows the part of an activity on screen is called

  A. intent   B. manifest   C. fragment   D. view

89. The android library that provides access to database is

  A. android.opengl   B. android.app   C. android.content   D. android.database

90. What is the use of content provider in android?

  A. To send the data from an application to another application
  B. To store the data in a database
  C. To share the data between applications
  D. None of theses

91. How to store heavy structured data in android?

  A. Using Shared Preferences   B. Not possible   C. Using SQlite database   D. Using Cursor

92. Which of the following is the base class for all List Fragments?

  A. ArrayAdapter   B. ListFragment   C. Fragment   D. AdapterView

93. Which of the following is NOT a common Adapter used with ListFragments?

  A. ArrayAdapter   B. RecyclerView.Adapter   C. BaseAdapter   D. CursorAdapter

94. What is the primary purpose of a DialogFragment?

  A. To display full-screen content
  B. To create custom views
  C. To present modal dialogs
  D. To manage background taskss

95. What is the difference between a DialogFragment and a Dialog?

  A. DialogFragment manages its own lifecycle
  B. DialogFragment is a subclass of Dialog
  C. Dialog is used for non-modal dialogs
  D. There is no significant differences

96. How can you test a DialogFragment?

  A. By using a testing framework like Espresso or JUnit
  B. By manually testing the dialog's behavior
  C. By using a mocking framework to isolate the DialogFragment
  D. All of theses

97. How do you add a preference to a PreferenceFragment?

  A. Using the findPreference() method
  B. Using the addPreference() method
  C. Using the setPreference() method
  D. Using the createPreference() method

98. Which method is called when the PreferenceFragment is removed from the activity?

  A. onDestroyView()   B. onDestroy()   C. onDetach()   D. onStop()

99. How can you customize the appearance of a preference?

  A. By using styles and themes
  B. By modifying the XML layout
  C. By creating a custom Preference subclass
  D. All of these

100. What is a Cursor in the context of SQLite?

  A. A pointer to a specific row in a result set
  B. A method for updating database records
  C. A container for database connection information
  D. A type of database indexssssss

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