U.S.N | | | | | | | | | |

P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belagavi)

Fifth Semester, B.E. - Computer Science and Engineering

Semester End Examination; February / March - 2023

Android Application Development (Technical Skills - I)

Time: 2 hrs   *Max. Marks: 50*

Course Outcomes

The Students will be able to:

CO1: Develop simple consumable web services for mobile devices.

CO2: Apply Java programming concepts to Android application development.

CO3: Design and Develop Android application by setting up Android development environment.

CO4: Implement adaptive and responsive graphical user interfaces that work across a wide range of devices.

CO5: Create mobile application to persist data in Android applications.

*Note: **All** questions are **compulsory** and each question carries **TWO** marks.*

Q. No.	Questions	BLs	COs	POs
1.	For which of the following android is mainly developed? a) Servers b) Desktops c) Laptops d) Mobile devices	L1	CO1	PO1
2.	Android is based on Linux for which reason? a) Networking b) Portability c) security d) All of these	L1	CO1	PO1
3.	On which of the following, developers can test the application, during developing the android applications? a) Third-Party emulators. b) Emulator included in Android SDK c) Physical Android phone d) All of the above	L1	CO1	PO1
4.	Which is the screen densities in android? a) Low Density b) Medium Density c) Extra high Density d) All the above	L1	CO1	PO1
5.	What is the web browser used in IOS mobile devices? a) Web Toolkit b) Chrome c) Internet Explore d) Safari	L2	CO1	PO1
6.	Which of the following virtual machine is used by the android operating system? a) JVM b) Dalvik Virtual machine c) Simple Virtual Machine d) None of the above	L1	CO2	PO2
7.	Which of the layer is below the topmost layer of android architecture? a) System Libraries and android runtime b) Linux Kernel c) Applications d) Applications Framework	L2	CO2	PO2

8. What is the life cycle of foreground activity in android?

   a) Oncreate→ OnStart→ OnResume→ Onstop→ OnRestart

   b) Oncreate→ OnStart→ OnResume→ Onstop   L2   CO2   PO2

   c) Oncreate→ OnStart→ OnResume

   d) None of the above

9. What is contained in manifest.xml?

   a) Source Code

   b) List of strings used in the app   L2   CO2   PO1

   c) Permission that the application requires

   d) None of the above

10. Suppose that there are two activities in an application named first activity and second activity. You want to send website name from activity one to activity two. What code you will write? Suppose that website name is "Carrer Ride.com". How will you get the data in second activity?

    a) Intent intent =new Intent;

       String str= intent.getStringExtra ("name");

       Toast. MakeText(this, str, Toast, LENGTH_LONG)

                                  .show( );

    b) Intent intent = getIntent ( );   L3   CO3   PO3

       String str = intent.getStringExtra ("name");

       Toast, MakeText(this, str, Toast, LENGTH_LONG)

                                  .show( );

    c) Intent intent = getIntent ( );

       String str = intent,getText ("name");

       Toast, MakeText(this, str, Toast, LENGTH_LONG)

                                  .show( );

    d) None of the above

11. What is true about Fragments?

    a) A fragment has its own layout and its own behavior with its own life cycle call backs.

    b) You can add or remove fragments in an activity while the activity is running.   L2   CO2   PO2

    c)You can combine multiple fragments in a single activity to build a multi-pase UI

    d) All of the above

12. You can create a custom view by extending class

    a) android.widget.view   b) android.widget.linear Layout   L2   CO3   PO3

    c) android.view.view   d) android.content

13. Which of the following is true about the following line of code:

    button.setonclickListener ({ })

    a) It only saves changes in a text field

    b) It sets the number of clicks the user presses to run the application   L2   CO3   PO3

    c) It sets the time and date of run process

    d) The system executes the code you write in setOnClickListener({}) after
       the user presser the button

14. _____ sets the gravity of the view or layout in its parent?

    a) android : gravity   b) wndroid : layout_gravity   L2   CO3   PO3

    c) android : weight   d) android : orientation

15. 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   L1   CO3   PO1,2

    c) Both A and B are correct

    d) None of the above

16. What method you should override to use android menu system?

    a) onCreateOptionsMenu( )   b) onCreateMenu( )   L3   CO3   PO3

    c) onMenuCreated( )   d) oncreateContextMenu( )

17. Which of the following is not true about the menu Item interface?

    a) The menu Item instance will be returned by the menu class add(…)
       method

    b) Menu Item can decide the Intent issued when clicking menu components   L3   CO4   PO3

    c) Menu Item can display either an icon or text

    d) Menu Item can set a checkbox

18. The_____view provides visual feedback about some ongoing tasks, such

    as performing a task in a background.   L2   CO4   PO3

    a) Spinner   b) Image button   c) Toggle button   d) Progress bar

19. Which of the following applies a context menu on a list view?

    a) List view lv = getListView( );

       lv.register forContextMenu( );

    b) List view lv = getListView( );   L1   CO4   PO2

       registerForContextMenu(lv);

    c) List view lv = (ListView) findViewById(R,id.list-view-id);

    d) Both B and C are correct

20. Which of the following can you use to add items to the screen menu?

   a) Activity.onCreate

   b) Activity.onCreateptions Menu   L3   CO4   PO3

   c) Constructor of the activity class

   d) Activity.oncreate menu

21. How to get feedback on message sent?

   a) Use two Intent object in the SendTextMessage( ) method

   b) Use two pending Intent object in the SendTextMessage( ) method   L3   CO4   PO2,3

   c) Use two pending Intent object in the startActivity ( ) method

   d) None of the above

22. What is the purpose of the Image switcher?

   a) Image switcher enables images to be displayed with animation

   b) Image switcher displayed images without animation   L1   CO4   PO1,3

   c) An image switcher allows you to add some transitions on the image

   d) Option a and c are correct

23. Which of the following represents the query results and it refers to one row of

   result?

   a) Cursor class B

   b) Cursor object   L1   CO5 PO1,2,3

   c) Cursor

   d) None of the above

24. To check whether the media [External storage] is available, which method of

   Environment class you will use?

   a) getExternalStorageState ( )

   b) getExternalStorage ( )   L2   CO5   PO3

   c) getExternalStateData ( )

   d) None of the above

25. Which of the following best describes the function of database helper class?

   a) To read and write data to SQLlite database

   b) To provide methods to access the data in a SQlite database   L1   CO4   PO3

   c) To create and upgrade a SQlite database

   d) To open and close SQlite database

* * *