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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 - 2022
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	Marks	BLs	COs	POs
1.	Which of the following has made the development of mobile web applications much easier and more powerful? a) Web Services b) Cloud Computing c) IM d) None of the mentioned	2	L1	CO1	PO1
2.	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	2	L1	CO1	PO1
3.	What operating system is used as the base of Android stack? a) Linux b) Windows c) Java d) XML	2	L1	CO1	PO1
4.	What is the web browser used in IOS mobile devices? a) Web Toolkit b) Chrome c) Internet Explorer d) Safari	2	L2	CO1	PO1
5.	Which of the following is correctly defining web service interoperability? a) Web services allow various applications to talk to each other and share data and services among themselves. b) Other applications can also use the web services. c) Web services are used to make the application platform and technology independent d) All of the above	2	L2	CO1	PO1

6.	To Initiate call using the Intent which code you will write?
	 a) Intent intent = new intent(Intent.ACTION_CALL)”);
	      startActivity(intent);
	 b) Intent intent = new Intent(Intent. ACTION_CALL, Uri.parse(tel:9923..........));
	 C) Intent Intent : new Intent (Uri.parse (“tel:9923.....”));
	      StartActivity (intent);
	 d) All of the above
		2	L3	CO2	PO3

7. What is the correct statement about an XML layout file?
    a) A layout PNG image file
    b) A file used to draw the content of an Activity   2   L2   CO2   PO2
    c) A file that contains all application permission information
    d) A file that contains a single activity widget

8. Intents are used to _____
    a) Are messages that are sent among major building blocks
    b) Trigger activities to being, services to start or stop or broadcast   2   L1   CO2   PO1
    c) Are asynchronous   d) All of these

9. What is true about Fragments?
    a) A Fragment has its own layout and its own behavior with its own life
       cycle callbacks
    b) You can add or remove fragments in an activity while the activity is
       running.   2   L2   CO2   PO2
    c) You can combine multiple fragments in a single activity to build
       multi-pane UI
    d) All of the above

10. Android.webkit librarie is?
    a) Used to render and manipulate text on a device display
    b) The fundamental building blocks of application user interfaces
    c) A set of classes intended to allow web-browsing capabilities to be   2   L1   CO2   PO1
       built into applications
    d) A Java interface to the Open GL-ES 3D graphics rendering API

11. Which of the following are Dialog classes in android?
    a) Alert Dialog   b) Progress Dialog   2   L2   CO3   PO1
    c) Date PickerDialog   d) All of the above

12. _____layout enables you to specify the exact location of
    the children   2   L2   CO3   PO2
    a) Frame   b) List   c) Table   d) Absolute

13 What is the difference between margin and padding in android layout?
    a) Margin is specifying the extra space left on all of you four sides in
       layout
    b) Padding is used to offset the content of a view by specific px or dp   2   L2   CO3   PO2
    c) Both A and B are correct
    d) None of the above

14. In order to automatically adjust to fit the content, the layout_height
    must be set to _____   2   L1   CO3   PO2
    a) Wrap content   b) Fill parent   c) X and Y coordinate   d) None

15. Given the following code in the layout file, where will the text be
    displayed in the android app?
    <?xml version="1.0" encoding = "utf-8?>
    <textView xmlns:android=
    http://schemas.android.com/apk/res/android
    android:layout_width="fill_parent"   2   L2   CO3   PO1,2,3
    andoid:text_height="wrap_content"
    android:text=You were expecting someting profound?" />

a) Bottom left

b) Bottom right

c) Top left

d) Top right

16. Which code you will write to create an array in strings.xml file located in the res/values folder?

    a) <string-array name="days"?>
        <Item>Sunday</item>
        <Item>Monday</item>
        <Item>Tuesday</item>
        </string-array>

    b) <string name="days">
        <Item>Sunday</item>
        <Item>Monday</item>
        <Item>Tuesday</tem>
        </string>

    c) <string item[3];
        <Item>Sunday</item>
        <Item>Monday</item>
        <Item>Tuesday</tem>

    d) None of the above

2   L3   CO4   PO3

17. Consider the following code:

```
@ override
public void onCreateContextMenu (ContextMenu menu, view v,
ContextMenuinfo menuInfo{
Super.onCreatecontextMenu (menu, v,menuInfo);
Menu, set HeaderTitle ("Menu")
AdopterContextMenuInfo cmi=(AdopterContentMenuinfo) menuinfo;
Menu.add (1, cmi, position, 0, "Open File")
Menu, add (2, cmi, position, 0, "Save File")
}
```

Which the following best explains the above?

a) The code inflates an xml file into menu items

b) The code creates menu items for context menu programmatically

c) The code assigns actions to menu items.

d) The Code opens a menu resource file, modifies it and save the changes

2   L3   CO4   PO3

18. Which of the following best explains the Android context menus:

a) It is a popup menu displays a list of items in a vertical list anchored to the view that involved the menu.

b) It is a floating menu that appears when the user performs a long click on an element. It provides actions that affect the selected content on content frame.

c) It is the primary collection of menu items for an activity where you should place actions that have a global impact on the app such as "Search", "Compose email" and "Settings."

d) It is a sub-menu of an options menu items.

2   L2   CO4   PO2

19. Which of the following is true about the Dialog class?(Choose Two)

a) You can add a custom layout to a dialog using setContentView( )

b) a dialog has a life-cycle independent of the Activity

c) A dialog is displayed on the screen using method show( )

d) It does not have a method to access the activity that owns it.

2   L1   CO4   PO1

20. The _____ view provides visual feedback about some ongoing tasks, such as performing a task in a background
    a) Spinner
    b) Image button
    c) Toggle button
    d) Progress bar

    2   L1   CO4   PO1

21. Which of the following best describes the function of Database helper class?
    a) To read and write data to a SQLite database
    b) To provide methods to access the data in a SQLite database
    c) To create and upgrade a SQLite database
    d) To open and close SQLite database

    2   L1   CO4   PO1

22. To write files on the external storage, which permission you will write in android Manifest.xlm file
    a) WRITE_STORAGE
    b) WRITE_EXERNAL_DATA
    c) WRITE_EXTERNAL_STORAGE
    d) None of the above

    2   L2   CO5   PO2

23. Your want to read website name by using Shared Preferences. Choose the correct option for doing this.
    a) Shared Preferences obj=getSharedPreferences ("MySharedFile", Context.MODE _PRIVATE);
       String n=obj.getString("name",null);
    b) SharedPreferences obj=new SharedPreferences ("MySharedfile", Context.MODE _PRIVATE);
       String n=obj.getString("name",null);
    c) String n=obj.getString("name",null);
    d) None of the above

    2   L3   CO5   PO3

24. For sending SMS through Intent which code is correct?
    a) Intent Intent = new intent ( );
       intent.putExtra("sms_body", "Welcome at CareerRide.com")'
       StartActivity (intent);
    b) Intent Intent = new intent ( );
       StartActivity (intent);
    c) Intent Intent = new intent (Intent.ACTION_SENDTO,);
       Uri.parse("sms:9923……"));
       intent.putExtra("sms_body", "Welcome at Careeride.com")'
       StartActivity (intent);
    d) None of the above

    2   L3   CO5   PO3

25. Which of the following represents the query results and it refers to one row of results?
    a) Cursor Class B
    b) Cursor object
    c) Cursor
    d) None of the above

    2   L1   CO5   PO1,2,3

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