PRIYADARSHINI COLLEGE OF ENGINEERING, NAGPUR

Department : Computer Technology   **Semester** : VI   **Section**   : A & B

CAT- 1 (2022-23)

Subject   : Mobile Application Development   **Subject Code**   : BTCT604T-2
Duration   : 1.5Hrs   **Max Marks**   : 35

Note :
1) **All question are compulsory**
2) **All question carry marks as indicated**

Q No		Questions	Marks	CO	BL
Q 1	A.	1. What is an activity in android? a) Android Class b) Android Package c) A Single Screen in an Application with Java Code d) None of the above	1	CO1	I
		2. Identify the language on which Android is based upon a) Python b) JAVA c) C++ d) NONE	1	CO1	II
	B.	Explain the procedure steps of Installing Android SDK Tools	5	CO1	II
	C.	Explain Anatomy of Android Application	7	CO1	II
		OR			
Q 2	A.	1. While developing android application developers can test their apps on a) Emulator b) An Android Phone c) Third Party Emulator d) None of the above	1	CO1	I
		2. OHA in android stands for - a) Open Health Academy b) Open Handset Alliance c) Open Handset Application d) Open Handset Association	1	CO1	I
	B.	Discuss Android Manifest file	5	CO1	II
	C.	Explain Architecture of Android	7	CO1	II
Q 3	A.	1. Which of the following is contained in the src folder? a) Java source code b) XML c) Manifest d) None of the above	1	CO2	I
		2. Which method is used to launch a new activity or get an existing activity to do something new? a) Context.startActivity() b) Context.startService() c) Context.sendBroadcast() d) All of the above	1	CO2	I
	B.	Define Intent. Explain type of Intent.	5	CO2	I

	C.	What is an Activity ? Explain Activity LifeCycle.	7	CO2	I
		OR			
Q 4.	A.	1. How many main components can be used within an Android application? a) 2 b) 3 c) 4 d) 5	1	CO2	I

		2. Which component handles background processing associated with an application?
		  a) Activities b) Services
		  c) Broadcast Receivers d) Content Providers
			1	CO2	I

	B.	Explain Receiving & Broadcasting Intent	5	CO2	II
	C.	Explain Content Provider	7	CO2	II

Q 5	A.	1. What is true about the Intents component?
		  a) External elements, such as strings, constants and drawable pictures.
		  b) UI elements that are drawn on-screen including buttons, lists forms etc.
		  c) View hierarchies that control screen format and appearance of the views.
		  d) Messages wiring components together
			1	CO3	I,

		2. What is contained in manifest.xml?
		  a. Source code
		  b. List of strings used in the app
		  c. Permission that the application requires
		  d. None of the above
			1	CO3	I

	B.	Write a short note on
		  1) Intent Filter
		  2) User Permission
			5	CO3	I

		OR			

Q 6	A.	1. Which of the following statements is false about Broadcast Receivers?
		  a) broadcast receiver is implemented as a subclass of Activity class
		  b) broadcast receiver is implemented as a subclass of Service class
		  c) broadcast receiver is implemented as a subclass of ContentProvider class
		  d) broadcast receiver is implemented as a subclass of BroadcastReceiver class
			2	CO3	I

	B.	What is Drawable ? Explain type of drawable	5	CO3	I