VCD- I	1/10/19 S.Y.Bsc(C.S) - Android	Development Fundamentals-sem IV-MRK-75 –HRS -2 1/2	
	1) All continues are compulsors		
N.B	1) All questions are compulsory		
	2) Figures to write indicate mar	rs and diagrams will be appreciated.	
	4) Mixing of sub-questions is no		
	4) Mixing of sub-questions is no	t allowed.	
Q.1	Attempt All (each of 5 marks)	(15	
(a)	Multiple choice Questions:		
01.00.0	i) Which configuration file holds the permission to use the internet?		
	A. Layout file	B. Property file	
	C.Java Source file	D. Manifest file	
	ii)is represents a sing	le screen.	
	A. An Activity	B. A view	
	C. Intents	D. Fragments	
	iii) Android content provider ar	chitecture, component that does not resides on data layer is	
	A. Internet	B. SQLite	
	C. Files	D. content provider	
	iv) Android calculates pixels de	nsity of mobile using unit of measurement	
	A. CP	B.,SP	
	C.DP	D. GP	
		I I I I I I I I I I I I I I I I I I I	
	v) In android studio, a service that is started and cannot be stopped even calling activity is		
	destroyed is		
	A. startService()	B. onStop()	
	C. onDestroy()	D. bindService()	
		V 100 100 100 100 100 100 100 100 100 10	
(b)	Fill in the blanks:		
i.	(Custom, anim, navigation bar, resource, cursor)		
	i) For specialized layout elements, palette element used is		
	ii) In android studio, currently open file location can be shown by		
	iii) Android component that controls external elements of file is called		
	iv) Queries always returns Object.		
	v)is the recourse	folder which contains XML files and defines animations.	

		i) State the need of Alarm manager in android application.	
		ii) List the types of menus.	
		iii) Explain Hierarchical navigation.	
		iv) List different connect method for connecting to the internet.	
		v) Define the term security with respect to android.	
			(4.5)
	Q.2	Attempt the following (Any Three)	(15)
		Explain the Android Architecture.	
	(a)	Explain Linear Layout in detail.	
	(b)	Explain the Activity Life Cycle.	
	(c)	Write a note on button control with suitable example.	
	(d)	Burden an Android application which calculates Factorial of a given Number.	
and an android application to accept username as "admin" and passwork		stem" in	
	(f)	suitable control and if it is valid then display a message "Welcome" else display a me	ssage
		"Invalid Login".(Write only java code)	
		Invalid Logiii .(Write only java ee as,	
		Attempt the following (Any Three)	(15)
	Q.3	Write a note on Alarm Manager along with example.	
	(a)	Explain life cycle of service in Android.	
	(b)	Explain Snackbar in android with example.	
	(c)	Explain in brief broadcast receiver.	
	(d)	Explain in brief broadcast received. Explain Popup Menu with suitable example.	
	(e)	List different layout managers. Explain any one in detail.	
	(f)	List different layout managers. Explain day on the document	
		A Land Throat	(15)
	Q.4	Attempt the following (Any Three)	
	(a)	Explain ACID properties in detail.	
	(b)	List and explain various methods of content provider.	
	(c)	Write short note on permissions in android.	
	(d)	What is Firebase? List various features of the same.	
	(e)	Explain the term security for android devices.	
	(f)	state and explain various features of SQLite database.	
			(15)
	Q.5	Attempt the following (Any Three)	**********
	(a)	Explain EditText Control with suitable example.	
	(b)	Explain TableLayout in detail.	
	(c)	Explain the term Async Task with various methods.	
	(d)	Explain Notification manager class along with example.	
	(e)	List and explain various ways to store data in android.	

Answer in 1-2 sentence.

(c)