

18 AUG 2020

M.Sc. (I.T.) Sem. II

: નોંધ :

Sub code: 21530

૧. દરેક પ્રશ્નનો [a] અથવા [a(i)] અને [a(ii)] ના લખવાના રહેશે.
૨. પ્રશ્ન : ૧[a] અથવા ૧[a(i)] અને ૧[a(ii)] તથા ૨[a] અથવા ૨[a(i)] અને ૨[a(ii)] ના 14 માર્ક્સ ના બદલે ૧૮ માર્ક્સ રહેશે.
૩. પ્રશ્ન : ૩[a] અથવા ૩[a(i)] અને ૩[a(ii)] તથા ૪[a] અથવા ૪[a(i)] અને ૪[a(ii)] ના 14 માર્ક્સ ના બદલે ૧૭ માર્ક્સ રહેશે.
૪. દરેક પ્રશ્નનો પ્રશ્ન નં ૧(b), પ્રશ્ન નં ૨(b), પ્રશ્ન નં ૩(b) તથા પ્રશ્ન નં ૪(b) (ટુંકા પ્રશ્નો) વિદ્યાર્થીએ લખવાના નથી.

Note: - You have to give answer of MCQ/Short Questions in one or two lines only.

Q-1:(A)	Write and explain the structure of Android manifest file.	[14]
OR		
Q-1:(A)(i)	Explain different features of Android.	[07]
Q-1:(A)(ii)	Explain all the Application components.	[07]
Q-1:(B)	Attempt any FOUR:	[04]
	(01) What is Toast?	
	(02) What is the use of R file in Android?	
	(03) List Android Versions.	
	(04) What is the use of the strings.xml file?	
	(05) What is GCM?	
	(06) Give the names of Android IDE.	
Q-2:(A)	What is Android Framework? Explain Android Framework Key Services.	[14]
OR		
Q-2:(A)(i)	Write a note on: Activity life cycle.	[07]
Q-2:(A)(ii)	Explain components of Android application.	[07]
Q-2:(B)	Attempt any FOUR:	[04]
	(1) What built-in database is Android shipped with?	
	(a) SQLite (b) Apache (c) MySQL (d) Oracle	
	(2) When the activity is not in focus, but still visible on the screen it is in?	
	(a) running state (b) Paused state (c) stopped state (c) destroyed state	
	(3) The XML file that contains all the text that your application uses.	
	(a) stack.xml (b) text.xml (c) strings.xml (d) string.java	
	(4) An activity can be thought of as corresponding to what?	
	(a) A Java project (b) A Java class (c) A method call (d) An object field	
	(5) What does the .apk extension stand for?	
	(a) Application Package (b) Application Program Kit	
	(c) Android Proprietary Kit (d) Android Package	
	(6) Underlying operating system for android is	
	(a) Linux (b) Windows (c) Contiki (d) Mac-OS	
Q-3:(A)	Explain any various subclasses of CompoundButton Class.	[14]
OR		
Q-3:(A)(i)	Write a note on: Data and Storage API in Android.	[07]
Q-3:(A)(ii)	Explain widget checkbox with example.	[07]
Q-3:(B)	Attempt any Three:	[03]
	(1) Difference between onResume() and OnRestart().	
	(2) List major components of SDK.	
	(3) When the intent is sticky?	
	(4) What is Alert Dialog Box?	
	(5) What is AVD?	

Q-4:(A)	Explain menu and progress bar in Android with example.	[14]
Q-4:(A)(i)	Explain the use of following helpful methods of Android.util.Log class (a) Log.e() (b) Log.w() (c) Log.i() (d) Log.d() (e) Log.v()	[07]
Q-4:(A)(ii)	Explain Network API in Android	[07]
Q-4:(B)	Attempt any Three	[03]
	(1) Required folder when Android project is created. (a) build (b) default (c) bin (d) home	
	(2) Which of the following contains all the code that provides the main features of an Android OS? (a) Linux kernel (b) Libraries (c) Android runtime (d) Application	
	(3) Android Applications must be signed. (a) After they are installed (b) Before they are installed (c) Never (d) Within two weeks of installation	
	(4) Android component that manages appearance and format on screen is called (a) fragment (b) intent (c) view (d) layout	
	(5) 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 the above.	