P P SAVANI UNIVERSITY

Fourth Semester of B.Sc. (IT) Examination

May 2022

SSIT2060 Mobile Application Development

20.05.2022, Friday   Time: 09:00 a.m. To 11:30 a.m.   Maximum Marks: 60

Instructions:
1. The question paper comprises of two sections.
2. Section I and II must be attempted in same answer sheet.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

SECTION – I

Q - 1	Answer the Following: (Any Five)	[05]
(i)	Android is	
	a) an operating system b) a web browser c) a web server d)None of given	
(ii)	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 given	
(iii)	Android is based on which of the following language?	
	a) Java b) C++ c) C d) None of given	
(iv)	APK stands for	
	a) Android Phone Kit b) Android Page Kit c) Android Package Kit d)None of given	
(v)	Which of the following is the first callback method that is invoked by the system during an activity life-cycle?	
	a) onClick() method b) onCreate() method c) onStart() method d) onRestart() method	
(vi)	Which of the following is the parent class of service?	
	a) context b) object c) contextThemeWrapper d) contextWrapper	
(vii)	What is the use of drawable folder in Android Studio?	
Q - 2 (a)	Explain Android Architecture with diagram.	[05]
Q - 2 (b)	What is difference between View and ViewGroup object? Give some examples of View and ViewGroup objects.	[05]

OR

Q - 2 (a)	Draw a diagram for activity life cycle and explain it.	[05]
Q - 2 (b)	Explain the following Android Terminologies: View, Layout, Activity, Emulator, Manifest File.	[05]
Q - 3 (a)	What is Animation in Android? List out the various types of Animation can be performed in Android.	[05]
Q - 3 (b)	What is difference between ProgressBar and SeekBar? Explain the usages of various methods to notify the changes in SeekBar.	[05]

OR

Q - 3 (a)	What is Slide Up and Slide Down animation? Which attributed need to be set to apply Slide Up and Slide Down animation? How to apply slide_in animation in java file?	[05]
Q - 3 (b)	What is the use of DatePicker in Android? Explain the usage of various methods of DatePicker class.	[05]
Q - 4	Attempt any one.	[05]
(i)	How to use spinner in Android App? Explain with an example.	
(ii)	What is the use of Adapter class? Write an application to show the usage of ArrayAdapter class.	

Q - 1	Answer the Following: (Any Five)	[05]
(i)	In an implicit intent, the sender specifies the type of receiver. True/False	
(ii)	_____ class is used to send SMS in android.	
(iii)	What is the use of WebView in Android?	
(iv)	Which Media Format is not supported by Android	
	a) MP4 b) AVI c) MIDI d) MPEG	
(v)	What built-in database is Android shipped with?	
	a) SQLite b) Apache c) MySQL d) Oracle	
(vi)	Which of the following a Notification object must contain?	
	a) a small icon b) a detailed text c) a title d) All of the given.	
(vii)	What is Firebase?	
Q - 2 (a)	What is difference between View and ViewGroup object? Give some examples of View and ViewGroup objects.	[05]
Q - 2 (b)	Explain the usage of Checkbox and RadioButton in Android.	[05]

OR

Q - 2 (a)	List out Android's built-in Content Providers. Explain URI structure of Content Provider.	[05]
Q - 2 (b)	What is the use of TimePicker in Android? Explain the usage of various methods of TimePicker class.	[05]
Q - 3 (a)	What is the usage of SharedPreferences class? Explain the various methods used to get and set various SharedPrefences values.	[05]
Q - 3 (b)	What is SQLite? Explain the various methods of SQLiteOpenHelper class.	[05]

OR

Q - 3 (a)	Explain the usages of FileOutputStream and FileInputSream class.	[05]
Q - 3 (b)	What is Content Provider in Android? Explain the various methods of ContentProvider class.	[05]
Q - 4	What is MediaPlayer in Android? Create an Application having three buttons Start, Stop and Pause. When user clicks on start button, it should play the music file from External Storage. When user clicks on Stop button, it should stop the playback. When user click on Pause button, it should pause the playback.	[05]

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