Enrollment No.....................................

Faculty of Engineering

End Sem (Even) Examination Dec-2019

CA5EL27 Mobile Application Development

Programme: MCA   Branch/Specialisation: Computer Application

Duration: 3 Hrs.   **Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d.

Q.1 i.   Which of the following is not a flavour of Android?   1
          (a) Gingerbread   (b) Froyo
          (c) Oreo   (d) None of these
     ii.   _____ is part of Android ecosystem   1
          (a) Infrastructural components
          (b) Third party applications
          (c) Applications and services
          (d) All of these
     iii. Android activity is   1
          (a) Screen in Android   (b) Event
          (c) Notification   (d) None of these
     iv.   XML stands for   1
          (a) eXtensible Markup Language
          (b) eXtend Markup Language
          (c) eXtended Marktup Language
          (d) None of these
     v.   Which of the following varies with style?   1
          (a) View   (b) State   (c) Scheduling (d) Flavor
     vi.   Which of the following is not event listener?   1
          (a) OnClickListener   (b) OnKeyListener
          (c) OnTouchListener   (d) OnOffListener
     vii. Navigation drawer is used in Android for?   1
          (a) Dimming   (b) Sliding
          (c) Contrasting   (d) All of these

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viii. Adapter in Android refers to which object orientation principle   1
          (a) Abstraction   (b) Polymorphism
          (c) Inheritance   (d) None of these
     ix.   SQLite is written in?   1
          (a) Java   (b) Machine Language
          (c) C Language   (d) Python
     x.   Cursor class is used in Android for?   1
          (a) Dataset   (b) Resultset
          (c) Visible Pointer   (d) None of these

Q.2 i.   Define android operating system.   2
     ii.   Enlist the basic steps to develop and execute an android application.   8
OR   iii. Explain android ecosystem. Also list the features of android operating system.   8

Q.3 i.   Brief about android manifest.xml.   3
     ii.   Write complete class definition of Spinner class. Also, write a program that utilize Spinner class.   7
OR   iii. Write an android program making use of following constructs: Button, Radio button, Text view, Checkbox, List view and toggle button.   7

Q.4 i.   How does android represent color?   3
     ii.   Write a code to create splash screen.   7
OR   iii. What is event driven program? Explain the components that helps to capture event in android.   7

Q.5 i.   Discuss the importance of adapter in android OS?   4
     ii.   Write a code for sending email in android.   6
OR   iii. Write a code for phone call in android.   6

Q.6   Write short note on any two:
     i.   Cursor and content values.   5
     ii.   Database connection in Android.   5
     iii. Process of reading, editing and writing to database in android.   5

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Marking Scheme

CA5EL27 Mobile Application Development

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Q.1	i.	Which of the following is not a flavour of Android?		**1**
		(d) None of these		
	ii.	_____ is part of Android ecosystem		**1**
		(d) All of these		
	iii.	Android activity is		**1**
		(a) Screen in Android		
	iv.	XML stands for		**1**
		(a) eXtensible Markup Language		
	v.	Which of the following varies with style?		**1**
		(a) View		
	vi.	Which of the following is not event listener?		**1**
		(d) OnOffListener		
	vii.	Navigation drawer is used in Android for?		**1**
		(b) Sliding		
	viii.	Adapter in Android refers to which object orientation principle		**1**
		(a) Abstraction		
	ix.	SQLite is written in?		**1**
		(c) C Language		
	x.	Cursor class is used in Android for?		**1**
		(b) Resultset		

Q.2	i.	Defining android operating system.		**2**
	ii.	Basic steps to develop	6 marks	**8**
		Execute an android application	2 marks	
OR	iii.	Android ecosystem	4 marks	**8**
		List the features of android operating system	4 marks	

Q.3	i.	Android manifest.xml.		**3**
	ii.	Complete class definition of Spinner class	3 marks	**7**
		Program that utilize Spinner class	4 marks	
OR	iii.	Program making use of following constructs:		**7**
		1 mark for each	(1 mark * 7)	

Q.4	i.	Android represent color		**3**
	ii.	Code to create splash screen		**7**
		Styles.xml	2 marks	

		Activity main	1 mark	
		Manifest	2 marks	
		Java class	2 marks	
OR	iii.	Event driven program	2 marks	**7**
		Components that helps to capture event in android	5 marks	

Q.5	i.	Importance of adapter in android OS		**4**
		Diagram	2 marks	
		Description	2 marks	
	ii.	Code for sending email in android.		**6**
		Java class	5 marks	
		Mobile screen	1 mark	
OR	iii.	Code for phone call in android		**6**
		Program	3 marks	
		Description	3 marks	

Q.6		Write short note on any two:		
	i.	Cursor and content values.		**5**
		1 mark for each class (1 mark * 4)	4 marks	
		SQlite Basks	1 mark	
	ii.	Database connection in Android		**5**
		DBHelper	2.5 marks	
		Calling methods	2.5 marks	
	iii.	Process of reading	1 mark	**5**
		Editing	2 marks	
		Writing to database in android	2 marks	

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