PSCST13 - Paper-I : Android Application Development

P. Pages : 1   *1509*   **GUG/S/23/11348**

Time : Three Hours   Max. Marks : 80

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Notes : 1.   All questions are compulsory and carry equal marks.
           2.   Draw neat and well labeled diagram whenever necessary.

Either :-

1.	a)	What is android? Explain their versions and applications.	**8**
	b)	What are the main components of android SDK? Explain each of them.	**8**

<div align="center">OR</div>

	c)	Write the steps to create map application in android.	**8**
	d)	Define android emulator? What is the role of emulator.	**8**

Either :-

2.	a)	Brief about calling built-in applications using intents.	**8**
	b)	What is android toast and how to use it in android with example.	**8**

<div align="center">OR</div>

	c)	How to store data using content provider in android? Explain in detail.	**8**
	d)	What are the different types of alarms in Android? How to implement in android app. explain it.	**8**

Either :-

3.	a)	Write a program using graphics API in android to draw rectangle.	**8**
	b)	What are the methods used to control audio recording in audio capture write its purpose.	**8**

<div align="center">OR</div>

	c)	What are the different types of animation in android? Explain it.	**8**
	d)	Write functions of address decoder. Explain block decoding.	**8**

Either :-

4.	a)	What is field service mobile app? How to work with service in android. Explain it.	**8**
	b)	Explain with suitable example of App widget.	**8**

<div align="center">OR</div>

	c)	Explain in brief API integration in android.	**8**
	d)	What is the use of Native development kit in android application? Why it is used in application.	**8**

5.		Attempt **all** the questions.	
	a)	How to implement view in android?	**4**
	b)	What is meant by shared preferences in Android?	**4**
	c)	What is openly embedded system? Explain in short real time embedded system introduction.	**4**
	d)	Define Language Localization in android with example.	**4**

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