1 653

Veer Narmad South Gujarat University

Msc. IT (Programme) -

8th Sem of Msc IT Remedial Exam Nov 2020

Sub : Smart Device Computing using Android

Time Duration : 3 Hours.   **Max Marks : 70**

Q.1   **Answer the following questions in short. (Any Six)**   [18]
1. What is R.java in android? Explain its importance.
2. Explain about Android Run Time enviornment?
3. Differentiate JVM and DVM.
4. What is the importance of XML-based layouts?
5. What is toast notification? Explain syntax of Toast.makeText().
6. Differentiate started service and bounded service.
7. Explain about Android OS kernel layer.

Q.2   **Answer the following questions.(Any Three)**   [18]
1. What is android? Explain android architecture in detail.
2. What is Intent? What are different types of it? Explain how it will be used in communication between two activities.
3. List out layouts supported by Android. Explain any two layouts with its unique properties and attributes.
4. Write code snippet to perform read and write operattions with file..

Q.3   **Answer the following questions.(Any Three)**   [18]
1. What is SQLite? Write code snippet toperform insert and delete operations on SQLite in Android.
2. Explain about toast notifications and alert dialog.
3. Write program to show communication between two activities.
4. What is Adapter? Write code snippet to implement ListView using ArrayAdapter.

Q.4   **Answer the following questions.(6,6,4)**   [1
1. Explain about content provider.
2. What are Location Based Services? Write steps to implement google map.
3. What is shared preference? Explain with example