**RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY & MANAGEMENT, GZB**

**1st Sessional Examination 2017-18 ( Odd Semester)**

**Roll No.:**  **Subject Name: ANDROID OS**

**Year/Branch**: **4TH/CSE Subject Code:** **NCS-075**

**Max Time: 1Hours 30 Minute Max Marks: 50**

**SECTION-A**

**Q.1 Attempt all parts. Each part carry equal marks. Write answer in brief. (2x5=10)**

(a) Describe the need of xml file in android?

(b) Discuss android GUI components?

(c) “Android is the customisable, easy-to-use operating system that powers more than a billion devices across the globe.”Justify the statement.

(d) Classify the main building blocks of android.

(e) How does an application built and compile in Android IDE?

**SECTION-B**

**Note: Attempt any five questions from this section. (5x5=25)**

**Q.2** Discuss the different layouts of Android?

**Q.3** Create a user interface in android with a two edit box for getting input from user and get the result into third edit box based on click of buttons ie. Addition and multiply.

**Q.4** Classify the Android Operating System software stack with suitable diagram?

**Q.5** Illustrate how to create and set up the AVD(Android Virtual Device) in android studio?

**Q.6** Determine the evolution and development of Android?

**Q.7** Explain the different components in the android project.Contrast each of them with their flow and their utility?

**Q.8** Distinguish between implicit and explicit intent with code snippet.

**Q.9** Demonstrate the use of two different android widgets in activity class with code**.**

**SECTION-C**

**Note: Attempt any two questions from this section. (7.5x2=15)**

**Q.10** Discuss activity lifecycle with proper diagram?

**Q.11** Design UI for activating three intent activities in which one intent activates the second on a button click and second activity copy content entered in the edit-text box to the third one.

**Q.12** Contrast between Android and IOS?