

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Summer Examination-2018

**Subject Name : Mobile Apps Development using Android**

**Subject Code : 4CS05IAN1**

**Branch: B.Sc.I.T.**

**Semester : 5**

**Date :19/03/2018**

**Time : 10:30 To 01:30**

**Marks : 70**

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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**Q-1 Define the following terms: (14)**

- a) Android
- b) GPS
- c) Notification
- d) JSON
- e) OHA
- f) Canvas
- g) Intent
- h) View
- i) ListView control
- j) SQLite
- k) Service
- l) SDK
- m) Emulator
- n) DVM

**Attempt any four questions from Q-2 to Q-8**

**Q-2 Attempt all questions**

- a) Describe Android architecture with diagram. (5)
- b) Explain Android platform. (5)
- c) Discuss Android SDK (4)

**Q-3 Attempt all questions**

- a) Describe various features of Android. (5)
- b) Explain service life-cycle with diagram. (5)
- c) Write steps to create AVD in eclipse (4)

**Q-4 Attempt all questions**

- a) Discuss Android activity life-cycle with diagram. (5)



- b) Explain Android Manifest file with its attributes. (5)
- c) Explain different types of layouts in Android. (4)

**Q-5                    Attempt all questions                    (14)**

- a) Explain Button control with attributes. (5)
- b) Explain CheckBox control with attributes. (5)
- c) Write the steps to publish Android app. (4)

**Q-6                    Attempt all questions**

- a) Describe Android network API. (5)
- b) Explain, how to create, define and issue a notification. (5)
- c) Discuss Mapping of location. (4)

**Q-7                    Attempt all questions**

- a) Describe anatomy of android application. (5)
- b) Explain different storage options available in Android. (5)
- c) Explain, how to read data from internal storage (4)

**Q-8                    Attempt all questions**

- a) Write a program to enter five subjects mark and calculate the total and percentage. (5)
- b) Write a program to check whether entered no is even or odd. (5)
- c) Write a program to toast a simple message on button's click event (4)

