

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Mobile Apps Development using Android

Subject Code : 4CS05IAN1

Branch: B.Sc.(IT)

Semester : 5

Date : 20/03/2017

Time : 02:30 To 05:30

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 Attempt the following questions:

(14)

- a) What language is supported by Android for application development?
- b) What is Open Handset Alliance?
- c) Define the term: Activity
- d) What do you meant by Intent?
- e) Define the term: Manifest
- f) What is SQLite?
- g) What is the full form of GPS?
- h) Define the term: API
- i) What is notification?
- j) What do you meant by "Android"?
- k) What is Canvas?
- l) What is JSON?
- m) What are containers?
- n) What do you meant by AVD?

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

Q-2 Attempt all questions

- a) Describe various features of android **(5)**
- b) Discuss architecture of android with suitable figure **(5)**
- c) Explain SDK of android **(4)**

Q-3 Attempt all questions

- a) Describe android activity life cycle **(5)**
- b) Discuss various types of intents **(5)**
- c) Explain TextView control with attributes **(4)**

Q-4 Attempt all questions

- a) Describe Sticky intent **(5)**
- b) Explain android activity life-cycle with diagram **(5)**



c) Describe the APK format. (4)

Q-5 Attempt all questions

a) Describe the roles of content providers in android development (5)

b) Explain ProgressBar control with its attributes (5)

c) Describe role of JSON services in android development (4)

Q-6 Attempt all questions

a) Explain RadioButton control with attributes (5)

b) List and explain the use of different folders and file of an APK file. (5)

c) Explain Mapping of location (4)

Q-7 Attempt all questions

a) What is Layout? Explain different types of layouts in android (7)

b) Explain SQLiteOpenHelper class in detail. (7)

Q-8 Attempt all questions

a) Describe android networking API (7)

b) Explain different types of resources in android in detail (7)

