C. U. SHAH UNIVERSITY
Winter Examination 2018

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

Subject Code: **5CS03WAN1**   Branch: **M.Sc.I.T. (WebTech)**

Semester: **3**   Date: 29/11/2018   Time: 02:30 T0 05:30   Marks: **70**

Instructions:

(1) Use of Programmable calculator and 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.

SECTION-I

Q. 1	**Answer the following questions.**	**07**
	(a) How Style can be applied on layout controls?	**02**
	(b) What are the version name of Android 8.0 and Android 7.0?	**02**
	(c) What are the advantages of Android Operating System?	**02**
	(d) Give the full form of ADB.	**01**
Q. 2	**Attempt all questions.**	
	(a) List and explain in detail advantages and features of android platform.	**07**
	(b) Draw and explain underlying architecture of android platform.	**07**

OR

Q. 2	**Attempt all questions.**	
	(a) What is application context? What are the roles of context in android application?	**07**
	(b) What is activity? Explain it with the diagram of activity lifecycle.	**07**
Q. 3	**Attempt all questions.**	
	(a) What are resources? List out resource types supported with Android.	**07**
	(b) Explain Button widget with example.	**07**

OR

Q. 3	**Attempt all questions.**	
	(a) What are dialogs in android? Explain dialog supported by android with example.	**07**
	(b) What is animation? Differentiate Tweened & frame-by-frame animation.	**07**

SECTION-II

Q. 4	**Answer the following questions.**	
	(a) What contains src and assests folder of an Android Project?	**02**
	(b) Differentiate between Activity and Services.	**02**
	(c) What is implicit intent and explicit intent?	**02**
	(d) Give the Full form of DDMS.	**01**

Q. 5 **Attempt all questions.**
    (a) Write note on Open Handset Alliance.   **07**
    (b) Explain SDK and AVD Manager.   **07**

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

Q. 5 **Attempt all questions.**
    (a) Explain: Configuring the Manifest file which define and describe application behavior.   **07**
    (b) Enlist and explain various XML Layout supported in Android.   **07**

Q. 6 **Attempt all questions.**
    (a) Write note on Check Boxes and Toggle Buttons.   **07**
    (b) Explain how to Displaying Rating Data with RatingBar in detail.   **07**

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

Q. 6 **Attempt all questions.**
    (a) Explain Context and Options menu.   **07**
    (b) What is SQLite? How data can be managed using SQLite?   **07**