Enrollment No._____   Exam Seat No._____

C. U. SHAH UNIVERSITY
Summer Examination 2018

Subject Name: **Mobile Apps Development using Android**
Subject Code: **4CS06BMA1**   Branch: **B. C. A.**
Semester: **6**   Date: **23/04/2018**   Time: **02:30 To 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.

Q. 1   **Attempt the Following questions.**   **14**

  a)   Give the full form of DDMS.   **1**
      (1) Debug Dalvik Manage System   (2) Dalvik Debug Management System
      (3) Dalvik Debug Monitor Server   (4) None of these

  b)   Activity_____.   **1**
      (1) manages the Application content   (2) performs the actions on the screen
      (3) screen Widgets   (4) None of the above

  c)   What Activity method used to retrieve as reference of ID attribute of a XML resource?   **1**
      (1) findViewById(int id)   (2) findViewByReference(int id);
      (3) retrieveResourceById(int id)   (4) findViewById(String id)

  d)   Which of the following is not an Android component?   **1**
      (1) Layout (2) Service (3) Activity (4) Content Provider

  e)   Which configuration file holds the permission to use the internet?   **1**
      (1) Layout file (2) Manifest file (3) Java source file (4) Property file

  f)   Which method is used to close an activity?   **1**
      (1) finish( ) (2) destroy( ) (3) stop( ) (4) close( )

  g)   Which of the following a Notification object must contain?   **1**
      (1) A small icon, a detail text and a title   (2) A small icon, sound and a title
      (3) A small icon, a detail text and a sound   (4) None of these

  h)   In which year the Open Handset Alliance (OHA) announced?   **1**
      (1) 2005 (2) 2006 (3) 2007 (4) 2008

  i)   Which of the following is not an Activity lifecycle call-back method?   **1**
      (1) onStart (2) onCreate (3) onPause (4) onBackPressed

  j)   Which of the following is not a nickname of a version of Android?   **1**
      (1) Kitkat (2) Gingerbread (3) Nougat (4) Muffin

  k)   Which of the following is the attribute of RatingBar?   **1**
      (1) android:num   (2) android:stepSize (3) android:starNum (4) None of these

  l)   Which of the following are not a component of an APK file?   **1**

(1) Resources (2) Native Libraries (3) Dalvik executable (4) All of these

m) What is the name of the folder that contains the R.java file? **1**

(1) src (2) res (3) bin (4) gen

n) Which of the following is not correct about the Emulator; which is identical to running a real phone except when emulating? **1**

(1) Telephony (2) Applications (3) Sensors (4) None of these

ATTEMPT ANY FOUR QUESTIONS FROM Q. 2 TO Q. 8

Q. 2 Attempt all questions.

a) What are Resources? How can an Android application use the String, Boolean and Integer resources programmatically? Show the use of method only. **7**

b) How SQLite database can be created in Android application using the Application Context? How ContentValues object can be used to insert firstname and lastname in student table? **7**

Q. 3 Attempt all questions.

a) Draw and explain Activity Life cycle of an Android application. **7**

b) For what purpose LinearLayout view is designed? Explain the important LinearLayout View attributes. **7**

Q. 4 Attempt all questions.

a) Explain the important callbacks of the Activity class in Android Application. **7**

b) Describe Telephony API of Android and the classes used for the same? **7**

Q. 5 Attempt all questions.

a) Explain the four different tweening transformations supported as Animation. **7**

b) How content can be loaded into WebView control in the following cases: **7**

(i) To load content from a specific web site.   (ii) To load an HTML file

Q. 6 Attempt all questions.

a) What is the use of Adapter object in Android SDKs. Explain ArrayAdapter in detail. **7**

b) Write program code for notifying with the status bar. **7**

Q. 7 Attempt all questions.

a) Write note on advantages and features of Android platform. **7**

b) Explain the purpose and importance of androidmanifest.xml file. **7**

Q. 8 Attempt all questions.

a) Enlist and explain in short any seven important attributes of Button widget. **7**

b) Explain context menu with example. **7**