

# C. U. SHAH UNIVERSITY

## Winter Examination-2021

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

**Subject Code : 4CS05IAN1**

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

**Semester: 5**

**Date: 13/12/2021**

**Time: 11:00 To 02:00**

**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.

**Q-1 Attempt the following questions: (14)**

- a) Persist data can be stored in Android through  
A - Shared Preferences                      B - Internal/External storage  
C - Sqlite    D - All of above
- b) What does the .apk extension stand for?  
A - Application Package                      B - Application Program Kit  
C - Android Proprietary Kit                  D - Android Package
- c) Status data will be exposed to the rest of the Android system via:  
A - Intents    B - A content provider  
C - Network receivers                          D - Altering permissions
- d) What is contained within the manifest xml file?  
A - The permissions the app requires      B - The list of strings used in the app  
C - The source code                              D - All other choices
- e) How many ports are allocated for new emulator?  
A - 2    B - 0  
C - 10    D - None of the above.
- f) What was the first phone released that ran the Android OS?  
A - Google gPhone                              B - T-Mobile G1  
C - Motorola Droid                                D - HTC Hero
- g) Which of the following is NOT a state in the lifecycle of a service?  
A - Starting    B - Running  
C - Destroyed                                      D - Paused
- h) When developing for the Android OS, Java byte code is compiled into what?  
A - Java source code                              B - Dalvik application code  
C - Dalvik byte code                              D - C source code
- i) The XML file that contains all the text that your application uses.  
A - stack.xml                                        B - text.xml  
C - strings.xml                                      D - string.java



- j) ADB stands for -  
 A - Android debug bridge                      B - Android delete bridge  
 C - Android destroy bridge                    D - None of the above
- k) Which of the following is the first callback method that is invoked by the system during an activity life-cycle?  
 A - onClick() method                      B - onCreate() method  
 C - onStart() method                      D - onRestart() method
- l) Does android support other languages than java?  
 A - Yes                      B - No  
 C - May be                      D - Can't say
- m) Which of the following is the parent class of service?  
 A - context                      B - object  
 C - contextThemeWrapper                      D - contextWrapper
- n) What year was the Open Handset Alliance announced?  
 A - 2005    B - 2006  
 C - 2007    D - 2008

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

- Q-2                      Attempt all questions                      (14)**  
 A    Explain methods to log debug messages in Android with examples.                      7  
 B    List and Explain Supported Android Sensors.                      7
- Q-3                      Attempt all questions                      (14)**  
 A    Describe Android platform with version history.                      7  
 B    Write detailed note on different types of layouts.                      7
- Q-4                      Attempt all questions                      (14)**  
 A    Describe Progress bar, Seek bar and Rating bar with example.                      7  
 B    Explain different types of Dialogs.                      7
- Q-5                      Attempt all questions                      (14)**  
 A    Explain SQLite Open Helper with example.                      7  
 B    What is the use of <activity> tag and <intent-filter> tag.                      7
- Q-6                      Attempt all questions                      (14)**  
 A    What are resources? Explain different types of resources in detail.                      7  
 B    List permission required for following task.                      7  
     1. Send SMS  
     2. To access phone state Information  
     3. Add contact details  
     4. Write file to SD Card  
     5. To access online URL  
     6. To dial number  
     7. Read contacts
- Q-7                      Attempt all questions                      (14)**  
 A    How to work with animations? Explain frame animation with example?                      7  
 B    Write code snippet to create options menu.                      7



- Q-8**      **Attempt all questions**      **(14)**
- A      Define Fragment. Write code for adding, replacing and removing any fragment.      **7**
- B      Explain how to find the Last Known Location of device?      **7**

