Instructions:

(1) Fill up strictly the details of \(*\) signs on your answer book.

Name of the Examination:

M. Sc. (I.C.T.) (SEM. 2)

Name of the Subject:

SMART DEVICE COMPUTING USING ANDROID

Subject Code No. 1 6 6 1

Section No. (1, 2, ....) NIL

(2) Draw the figure and give example whenever necessary.

1. Answer the following questions in short: [16]
   (i) What is the importance of DDMS in Android?
   (ii) Describe about smart devices computing.
   (iii) Explain the role of dalvik virtual machine.
   (iv) What is AVD? What is its purpose?
   (v) What is the function of intent filter?
   (vi) What does manifest.xml contains?
   (vii) What are different types of services?
   (viii) Which classes are necessary for animation? Why?

2. Answer the following questions: (any three) [18]
   (i) What is the importance of XML based layout? Explain about any two layouts in detail with unique properties.
   (ii) Explain in brief about important file and folder of Android project.
   (iii) What are the features of SQLite? Explain about inserting and updating records into database.
   (iv) Explain different types of alert dialog with example.
3. Answer the following questions: (any three)

(i) What is Adapter? Write program to implement ListView using ArrayAdapter.

(ii) What are different types of menu? Explain implementation of any two types of menu.

(iii) Explain various component of android application development.

(iv) What is intent? What are different types of it? Explain its importance to transfer information between activities with example.

4. Answer the following questions: (any three)

(i) Differentiate content provider and SQLite? Write steps to implement content provider.

(ii) What is Location Based Service? Explain about to get address from latitude and longitude value.

(iii) How to implement phone calls and SMS in your application?

(iv) What are shared preferences? Explain with example.