

Seat No. : S2 K

**DG-143**

**December-2018**

**5<sup>th</sup> Year M.Sc., (CA & IT) Integrated  
Internet Application**

**Max. Marks : 70**

**Time : 2:30 Hours**

1. Attempt the following : 6
  - (A) Do as direct :
    - (1) Why Android is so popular ?
    - (2) Define context
    - (3) Distinguish between activity & service in android 8
  - (B) List permission required for following task :
    - (1) send SMS
    - (2) read call log
    - (3) to dial number
    - (4) read contact
2. Explain the following : (Any two) 7
  - (1) Explain Android Activity life cycle with code snippet. 7
  - (2) How logging support can be added to android application ? Discuss various methods for it. 7
  - (3) Discuss the steps for guaranteeing successful publication and deployment of android application. 7
3. Explain the following : (Any two)
  - (1) What is content provider ? List out the built in content provider and explain any two of them in detail. 7
  - (2) Explain different kinds of dialogs in android. 7
  - (3) List built in layouts. Explain any two layouts in detail with example. 7

**P.T.O.**

4. Explain the following : (Any two)

- (1) Explain insert (), update () and delete () methods of SQLiteDatabase by taking suitable example. 7
- (2) Explain spinner and auto complete text view widgets with the help of suitable example. 7
- (3) What is Android resource ? Explain using example how to define and work with string colour and Boolean resources. 7

5. Explain the following : (Any 2)

- (1) What is importance of android notification ? List important components of android notification. Explain with code snippet how to create and send notification. 7
  - (2) Explain AsyncTask in detail by giving suitable example. 7
  - (3) What is shared preference ? Which are the data types supported by preference ? Discuss using example how to work with the shared preferences. 7
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