



RAN - 2111040102050003

RAN-2111040102050003**MCA (Sem. II) Examination May - 2023****Android Application Programming : Paper 205****Time: 3 Hours]****[Total Marks: 70****સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

☛ **MCA (Sem. II)**

Name of the Subject :

☛ **Android Application Programming : Paper 205**Subject Code No.: **2111040102050003**

Seat No.:

Student's Signature

Q. 1 Do as Directed: [14]**[A] What is the content of 'res' folder in Android project? Explain role of 'res/layout' and 'res/layout-land' folder. [07]****[B] Explain Android Software Stack in detail. [05]****OR****[B] Discuss the use of AndroidManifest.XML file in android project. [05]****[C] What is '.dex' file? [02]****Q. 2 Do as Directed: [14]****[A] Write a note on - working with menu in Android Application. [07]****[B] Explain in steps to create and display alert dialog in Android. [05]****OR****[B] Explain steps with java code segment - to display the content of string array in ListView using ArrayAdapter. [05]****[C] Explain code for creating and display the Toast Message. [02]**

- Q. 3 Do as directed. [14]**
- [A] Define Intent? What is explicit intent and implicit intent? Give example for both. [07]
- [B] What is Broadcast Receiver? Explain - how any broadcast receiver can be registered to receive any action event? [05]

OR

- [B] Discuss the Life Cycle of an Activity in Android. [05]
- [C] Write code segment to start a service using intent. [02]

- Q. 4 Do as directed: [14]**
- [A] Write prototype for insert(), update() and delete() methods for SQLiteDatabase. [07]
- [B] What is SharedPreferences? Explain giving proper code segment - How an android application can write to and read from the SharedPreferences. [05]

OR

- [B] What is Content provide? Write code to read name and phone-number from contacts provider. [05]
- [C] Write the prototype and use of openFileInput() method. [02]

- Q. 5 Do as directed: [14]**
- [A] Explain steps to obtain the Location permission for Android Application at runtime. [07]
- [B] Explain steps to send and receive SMS messages from Android Application. [05]

OR

- [B] Explain - how can we obtain the Location Address from given pair of Latitude and Longitude. [05]
- [C] Explain getSystemService() method. [02]
