

2111040102050003
EXAMINATION MARCH-APRIL 2024
MASTER OF COMPUTER APPLICATION
(SECOND SEMESTER)
ANDROID APPLICATION PROGRAMMING
(COURSE-205) – LEVEL 5

[Time: As Per Schedule]

[Max. Marks:70]

Instructions:

1. Fill up strictly the following details on your answer book
 - a. Name of the Examination : **MASTER OF COMPUTER APPLICATION (SECOND SEMESTER)**
 - b. Name of the Subject : **ANDROID APPLICATION PROGRAMMING (COURSE-205) - LEVEL 5**
 - c. Subject Code No : **2111040102050003**
2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Do as Directed 14

[A] Explain Android Software Stack in detail. 7

[B] What is DVM? Explain difference between JVM and DVM. 5

[C] Write the syntax for Intent-Filter tag. 2

Q.2 Do as Directed 14

[A] Explain steps to create and display date picker in Android. 7

OR

[A] What is Adapter class in Android? Explain steps with code segment - to display the content of string array using Array Adapter.

[B] Write and explain code (java code only) that reads the value of two Text View (TVNum1 &TVNum) on click event of Button (ButSum) and Print the sum of both number as Toast message.	5
[C] What is the option menu? How it differs from context menu.	2
Q.3 Do as directed.	14
[A] What is Broadcast Receiver? Explain - how any broadcast receiver can be registered to receive specific action event?	7
OR	
[A] Discuss various call back methods related to the Life Cycle of an Activity in Android.	
[B] Differentiate implicit intent and explicit intent giving proper example.	5
[C] Write code segment to start a service using intent.	2
Q.4 Do as directed.	14
[A] Write prototype for insert (), update () and delete () methods for SQLiteDatabase.	7
OR	
[A] What is Content provide? Write steps to read name and phone-number from contacts provider.	
[B] Explain giving proper code segment - How an android application can Write to and read from the SharedPreferences. What is the path of Sharedpreference file on android device?	5
[C] Write the prototype and use of openFileInput () method.	2
Q.5 Do as directed	14
[A] Explain steps to obtain the Location permission for Android Application at runtime.	7

OR

[A] Explore SMSManager class in an Android.

[B] Explain - how can we obtain the pair of Latitude and Longitude from descriptive address? **5**

[C] Explain getSystemService () method. **2**
