Reg. No.									

MANIPAL ACADEMY OF HIGHER EDUCATION, MANIPAL
MANIPAL SCHOOL OF INFORMATION SCIENCES, MANIPAL

THIRD SEMESTER MASTER OF SCIENCE – M.Sc. (INFORMATION SCIENCE) DEGREE EXAMINATION – NOVEMBER 2021

SUBJECT: MIS 605 – MOBILE APPLICATION DEVELOPMENT USING ANDROID

Monday, December 1, 2021

Time: 10.00 – 13.00 Hrs.   Max.Marks:100

All questions carry 10 marks each

1. Draw a neat diagram of android architecture & discuss ART in detail.   (10 Marks)

2. List and explain activity lifecycle callback methods   (10 Marks)

3. Describe explicit intent with an example   (10 Marks)

4. Explain android service lifecycle for bounded service.   (10 Marks)

5. Write short notes on following layouts (example for each layout)
   a. Constraint layout   b. Linear layout

   (5+5=10 Marks)

6. Discuss the different ways to handle "**onclick**" event of button controls with an example
   (10 Marks)

7. Define Content Provider. Explain application architecture with content provider
   (2+8=10 Marks)

8. Explain the inherited class and its associated methods which are required in order to implement android applications using SQLite database.   (10 Marks)

9. Define notification in android. Explain the concept of notification with an example
   (10 Marks)

10. Explain basic steps to find location of a device using Location Based Service in android?
    (10 Marks)

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