Code: CS7T2

IV B.Tech - I Semester –Regular / Supplementary Examinations JANUARY - 2022

MOBILE APPLICATION DEVELOPMENT
(COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks

11 x 2 = 22 M

1.
a) List the components of android SDK.

b) What is AVD?

c) List out the idioms of Java Programming.

d) What is intent?

e) Explain Model in MVC concept.

f) Distinguish between Linear and Table Layout.

g) What is the purpose of drawable resources?

h) List classes used for binary data management in android.

i) Compare and contrast the activity with fragment.

j) List different android database classes.

k) What is SQLite?

PART – B

Answer any ***THREE*** questions. All questions carry equal marks.

$$3 \text{ x } 16 = 48 \text{ M}$$

2. a) Explain in detail about Android SDK and Android Emulator.   8 M

   b) Explain in detail about java type system.   8 M

3. a) Explain in detail about different android components.   8 M

   b) Discuss in detail about android application runtime environment.   8 M

4. a) Develop a Simple Calculator android app for performing basic arithmetic operations.   10 M

   b) Explain in detail about list view with adapter class with example.   6 M

5. a) Demonstrate Fragment Life cycle with example.   8 M

   b) Illustrate with example application for content provider.   8 M

6. a) Explain database design for android applications.   6 M

b) Demonstrate the SQLite database queries for reading the data from database with example.   10 M