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Roll No.

TMC-502

**M. C. A. (FIFTH SEMESTER)
MID SEMESTER EXAMINATION, 2021-22
MOBILE APPLICATION DESIGN AND
DEVELOPMENT**

Time : 1½ Hours

Maximum Marks : 50

Note : (i) All questions are compulsory.

(ii) Answer any *one* part from each question.

(iii) Each question carries 10 marks.

1. (a) Explain the use of custom JVM in android OS. Cite the differences with desktop JVM and state the reasons for these differences.

(CO1)

(b) How are Native and Hybrid Apps different ? Explain in detail.

(CO1)

2. (a) Explain Android Folder structure.

(CO1)

(b) Illustrate the use of AndroidManifest.xml in Android studio.

(CO1)

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(2)

3. (a) What is AVD ? How and why is it used in Android Studio ? (CO1)
(b) Differentiate between Android Runtime and Dalvik Virtual Machine. (CO1)
4. (a) What is Adapter ? How is it used in Spinner ? Explain. (CO2)
(b) Write about any *three* views used in Android Studio with example. (CO2)
5. (a) Explain Android Activity. Explain its lifecycle. (CO2)
(b) Explain the use of MENU in Android studio with example. (CO2)