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Roll No.

TBC-502/TBI-501

B. C. A./B. SC. (IT)

(FIFTH SEMESTER) END SEMESTER

EXAMINATION, 2021-22

MOBILE APPLICATION DEVELOPMENT

Time : Three Hours

Maximum Marks : 100

Note : (i) All questions are compulsory.

(ii) Answer any *two* sub-questions among (a), (b) and (c) in each main question.

(iii) Total marks in each main question are **twenty**.

(iv) Each question carries 10 marks.

1. (a) How are Native and Hybrid apps different ? Explain in detail. (CO1)

(b) Illustrate Android Boot process with a neat flowchart. (CO1)

(c) Explain Android Folder structure. (CO1)

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2. (a) What is Android SDK ? Explain. (CO2)
(b) Explain Android Activity and its lifecycle. (CO2)
(c) Explain Intent. What are the different types of Intent ? Explain with proper example. (CO2)
3. (a) Explain with the help of a program how event handling is done using button view. (CO3)
(b) How can we use camera in Android ? Explain with example. (CO3)
(c) Explain sensors. How does sensor work ? What are the different categories of sensors ? (CO3)
4. (a) How can we read/write files using external storage in Android ? Explain with the help of a program. (CO4)
(b) How can we write file in internal storage of Android phone ? Explain. (CO4)
(c) How is SQLite used in Android Studio ? Explain. (CO5)

(3)

5. (a) How to use Bluetooth in Android Studio ? Explain. (CO5)
(b) Write the steps for publishing Android App. (CO5)
(c) What is a Google Map ? Explain the types of Google Map. (CO5)