

R18

Code No: 158DQ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, September - 2022

MOBILE APPLICATION DEVELOPMENT

(Common to CE, EEE, ME, ECE)

Time: 3 Hours

Max.Marks:75

**Answer any five questions
All questions carry equal marks**

- 1.a) Explain Android development framework.
- b) Explain the types of android applications. [7+8]
- 2.a) Describe the best practices in Android programming.
- b) Explain the life cycle of an Android application. [7+8]
- 3.a) Explain the relative and grid layouts in Android operating system.
- b) List out the various User Interface components in Android. [8+7]
4. What is a fragment in Android programming? Using a sample code, explain removing and replacing fragments with fragment transactions. [15]
- 5.a) Explain explicitly starting of new activities using intents.
- b) Explain the native android actions. [8+7]
- 6.a) How do intent filters used to service implicit intents?
- b) Explain, how do you monitor device state changes using broadcast intents? [7+8]
- 7.a) Explain the preference framework and the preference activity.
- b) What are shared preferences? Explain. [8+7]
- 8.a) Explain the features of SQLite database? How do you create and open a database.
- b) Discuss the functions of content providers. [8+7]

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