

Code No: 5405AE

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**M. Tech I Semester Examinations, January - 2020****MOBILE APPLICATION DEVELOPMENT****(Computer Science)****Time: 3hrs****Max.Marks:75****Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A**5 × 5 Marks = 25**

- 1.a) Define Android characteristics. [5]
- b) State Android fragment classes. [5]
- c) State types of Android notifications. [5]
- d) Explain the properties of SQLite. [5]
- e) Mention types of Alarms. [5]

PART - B**5 × 10 Marks = 50**

- 2.a) Explain the differences between Conventional Application Development and Mobile Application Development.
- b) What is Framework? Explain Android framework with figure. [5+5]

OR

- 3.a) What is requirement of "Library" layer in Android architecture?
- b) Write a short note on "Android Manifest". [5+5]

4. Define Exception handling. Explain how Exception handling is performed in Android. [10]

OR

5. How to design grid and table layouts in Android? [10]

6. Write a short note on "Intent". Passing data to Intents, using Intent to dial a number or to send SMS. [10]

OR

- 7.a) How android resolves intent filters
- b) What is Implicit and Explicit intent? Apply both in one application (Code is must).[5+5]

- 8.a) Explain Creation of simple registration form using EditText, Radio Button, and store the user value in Sqlite.

- b) Write a code to create files and reading data from files. [5+5]

OR

9. What is SQLite database? Write code for adding, updating and removing data from SQLite database. [10]

- 10.a) Explain creating and using alarms with examples.
b) Write a code to update location. [5+5]

OR

- 11.a) Explain Customizing download manager notifications.
b) Write a code to create an Internet data stream. [5+5]

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