

Code No.: IT702PC

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**CMR ENGINEERING COLLEGE: : HYDERABAD**  
**UGC AUTONOMOUS**

**IV–B.TECH–I–Semester End Examinations (Supply) - April- 2025**

**MOBILE APPLICATION DEVELOPMENT**

**(IT)**

**[Time: 3 Hours]**

**[Max. Marks: 70]**

**Note:** This question paper contains two parts A and B.

Part A is compulsory which carries 20 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**

**(20 Marks)**

1. a) Explain about the exceptions of Android. [2M]
- b) What is .apk extension? [2M]
- c) Name some components and their use in user Interface. [2M]
- d) Classify different types of layouts. [2M]
- e) What is Inflate method in Android? [2M]
- f) List out Android Notification Properties. [2M]
- g) What are the file management tools? [2M]
- h) List out the functions in cursor class. [2M]
- i) What is meant by location based services? [2M]
- j) How to include alarm in user interface? [2M]

**PART-B**

**(50 Marks)**

2. Discuss Run time configuration changes. [10M]
- OR**
3. Explain how the lifecycle of an android activity works. [10M]
4. How does the lifecycle of fragments work? [10M]
- OR**
5. Classify life cycle of fragments. [10M]
6. How to resolve Intent Filters? [10M]
- OR**
7. Explain how to display and customize Toast. [10M]
8. Describe the way to persist information in an android device. [10M]
- OR**
9. What is a SQLiteOpenHelper class? Explain it with methods. [10M]
10. How to schedule notifications using Alarm Manager? Explain with an example. [10M]
- OR**
11. Explain the procedure to connect to network and what are resources can utilize? Give an example. [10M]

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