

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Supply) - December- 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) Describe Android Application Architecture. [2M]
- b) What is .apk extension? [2M]
- c) Write a short note on Pixel Density Measurements. [2M]
- d) what is the fragment? [2M]
- e) What are the parameters of onActive result event handler? [2M]
- f) How to create a Toast? [2M]
- g) What is openFileOutput() method? [2M]
- h) Define content URI. [2M]
- i) List some methods of Location object. [2M]
- j) How to include alarm in user interface. [2M]

PART-B

(50 Marks)

2. What are Best practices in Android programming and Explain Android tools. [10M]

OR

3. Explain Android development framework. [10M]

4. Write a program which handles the components Checkboxes, Spinners, Dialog and pickers. [10M]

OR

5. Explain the different type of layouts in user interface. [10M]

6. Explain briefly about Implicit Intents. [10M]

OR

7. How to set up a broadcast Receiver in android application. [10M]

8. How to retrieve content from content provider? [10M]

OR

9. Explain how to create shared preferences. [10M]

10. Explain how to identify location, quality of service and address with an example. [10M]

OR

11. How to schedule notifications using alarm Manager. explain with an example. [10M]
