

Code No.: R22IT504PC

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD

UGC AUTONOMOUS

III-B.TECH-I-Semester End Examinations (Supply) - June- 2025

DEVOPS

(IT)

[Time: 3 Hours]

[Max. Marks: 60]

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

Part A is compulsory which carries 10 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.

PART-A

(10 Marks)

1. a) Describe Continuous Delivery. [1M]
- b) Differences between Agile and Waterfall model. [1M]
- c) Define the term resilience. [1M]
- d) What is a Monolithic Architecture? [1M]
- e) Define Gerrit. [1M]
- f) What is Shared authentication? [1M]
- g) What is Trigger? [1M]
- h) What is the importance of having configuration management in DevOps? [1M]
- i) What is Docker? [1M]
- j) Name various types of Testing. [1M]

PART-B

(50 Marks)

2. Using a neat diagram explain the Agile Development Model. [10M]
- OR**
3. Agile and Scrum are relatable. Establish their relation with MVP. [10M]
4. Discuss about DevOps lifecycle for business agility. [10M]
- OR**
5. How do you handle data management and database changes in DevOps? [10M]
6. Implement a Git workflow for a software development project and describe its key features. [10M]
- OR**
7. What are Git Pull Requests, and how do you use them? [10M]
8. Discuss about Jenkins automation server. [10M]
- OR**
9. Write about Build phase and alternative build servers. [10M]
10. Identify common tasks in software development and IT operations that can benefit from automation. [10M]
- OR**
11. What is Puppet in DevOps and Explain the Working of it. [10M]
