

Code No.: AI731PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

IV-B.TECH-I-Semester End Examinations (Supply) – April - 2024

DEVOPS

(CSM)

[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) List out the demerits of waterfall model? [2M]
- b) Name out the any three models used in software development. [2M]
- c) Define agility. Why is it required? [2M]
- d) What are the phases of Agile Software development Life Cycle? [2M]
- e) What is DevOps and give an example? [2M]
- f) What are the key components of DevOps implementation? [2M]
- g) What is the difference between continuous delivery and deployment in DevOps? [2M]
- h) What are the benefits of Continuous Integration and Continuous Delivery? [2M]
- i) What are the benefits CAMS? [2M]
- j) Define organizational learning? [2M]

PART-B

(50 Marks)

2. Briefly explain about the Waterfall model. What are the advantages and disadvantages of Waterfall model? [10M]
- OR**
3. Explain in detail about Developer Vs IT Professional. [10M]
4. Discuss about iterative agile software development. [10M]
- OR**
5. Distinguish between Waterfall model and Agile model. [10M]
6. What are the benefits of Devops? Explain the DevOps ecosystem with a neat diagram. [10M]
- OR**
7. Explain DevOps Orchestration and what are the reasons to invest in DevOps? [10M]
8. Briefly explain about Continuous Deployment. List some popular DevOps tools for Continuous Deployment. [10M]
- OR**
9. Explain about Continuous Delivery. Give some popular tools for Continuous Deliver. [10M]
10. Explain about CAMS in detail. [10M]
- OR**
11. What is Configuration Management? Explain in detail. [10M]
