

Code No.: AI731PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
IV-B.TECH-I-Semester End Examinations (Regular) - November- 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) What strategies can resolve conflicts between developers and IT operations? [2M]
- b) How can teams measure the success of DevOps initiatives? [2M]
- c) What is the role of iteration in Agile development? [2M]
- d) How does customer involvement improve product development? [2M]
- e) What are the benefits of using Agile methodologies? [2M]
- f) What is DevOps, and how does it relate to Agile? [2M]
- g) How does DevOps improve collaboration between development and operations teams? [2M]
- h) What are the characteristics of a successful MVP? [2M]
- i) What is automation in DevOps, and why is it essential? [2M]
- j) How does automation improve efficiency in software delivery? [2M]

PART-B

(50 Marks)

2. Discuss the developers vs. IT operations conflict. [10M]
- OR**
3. Discuss the advent of software engineering. [10M]
4. Differences between Waterfall and Agile SDLC methodologies. [10M]
- OR**
5. Describe the iterative agile software development. [10M]
6. Explain the customer collaboration over contract negotiation. [10M]
- OR**
7. List and explain the similarities and differences between DevOps and Agile. [10M]
8. How does automated deployment improve efficiency? Explain [10M]
- OR**
9. List and explain the common challenges in implementing DevOps and CI/CD. [10M]
10. Explain What role does leadership play in fostering a DevOps culture? [10M]
- OR**
11. Describe the root cause analysis. [10M]
