R20

SET - 1

III B. Tech I Semester Supplementary Examinations, July – 2023
DEVOPS
CSE (AIML),CSE(AI),CSE(DS),CSE(AIDS),AIDS,AIML

Time: 3 hours   Max. Marks: 70

Answer any **FIVE** Questions **ONE** Question from **Each unit**
All Questions Carry Equal Marks
*****

UNIT-I

1.		State and explain various phases of software development life cycle.	[14M]

(OR)

2.	a)	Give importance of Agile software development.	[7M]
	b)	Write principles of Agile software development.	[7M]

UNIT-II

3.	a)	What is need of Devops?	[7M]
	b)	Explain Devops architecture.	[7M]

(OR)

4.	a)	Describe Devops delivery pipeline.	[7M]
	b)	Describe few tools used in Devops ecosystem.	[7M]

UNIT-III

5.		Explain tool stack implementation in Devops.	[14M]

(OR)

6.	a)	Describe in brief about Devops adoption in projects.	[7M]
	b)	Give benefits of using Devops when developing projects.	[7M]

UNIT-IV

7.	a)	Write difference between continuous integration and continuous delivery.	[7M]
	b)	Explain about continuous deployment.	[7M]

(OR)

8.	a)	Write benefits of CI/CD.	[7M]
	b)	Explain metrics used to track CI and CD practices.	[7M]

UNIT-V

9.	a)	What is need of using Devops maturity model?	[7M]
	b)	Write names of different stages in Devops maturity model and explain any 2 stages.	[7M]

(OR)

10.		Describe key factors of Devops maturity model	[14M]

|''|''|||''|''|'''|||'|