B.E. (Information Technology) INTRODUCTION TO DEVOPS

(2019 Pattern) (Semester-VII) (Elective-IV) (414445 B)

[Max. Marks: 70

Time: 2% Hours

Instructi	ions to the candidates:	
1)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.	
2)	Neat diagrams must be drawn wherever necessary.	
3)	Figures to the right side indicate full marks.	
4)	Assume suitable data, if necessary.	
Q1) a)		on. [5]
b)	Compare continuous delivery and continuous deployment.	5
c)		ail. 8
	OR	
Q2) a)	Write a note on code repository server.	5
b)		ver 5
c)	What are strategies for continuous delivery?	8
Q3) a)	Explain integration testing with the help of example.	6
b)	Draw and explain basic deployment pipeline.	6
c)	Explain the changes moving through the deployment pipeline in DevOps.	[5]
	OR	R (56
Q4) a)	Comment on Trade-offs in the deployment pipeline.	6
b)	List and explain the strategies which are useful to manage defects list?	,
		6
c)	Write a short note on the Commit Stage	151

Q5) a)	What is a Monitoring System? Explain Factors involved in the M	onitoring
	System.	[6]
b)	List and explain tools used for monitoring? Explain its use	[6]
c)	Explain the Roles and responsibilities of an SRE.	[6]
	OR	
Q6) a)	Write a short on white box and black box monitoring.	[6]
b)	What is Behavior-Driven Monitoring? How it works?	[6]
c)	What does a site reliability engineer do? List Common tools	used by
	SREs with example.	[6]
Q7) a)	How do you maintain version control? What are the benefits	of using
=	version control?	[6]
b)	Write a note on Prometheus	[6]
c)	Explain continuous delivery in Jenkins?	[5]
	OR	
Q8) a)	Explain serverless architecture in Kubernetes?	[6]
b)	Write a short note on Docker	[6]
c)	Explain continuous Testing with Selenium	[5]

