


<b>Name:</b>	 <b>UPES</b> <small>UNIVERSITY WITH A PURPOSE</small>
<b>Enrolment No:</b>	

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, May 2021**

**Program: B.Tech CSE DevOps**  
**Course: Applied DevOps**  
**Course Code: CSDV-4003**

**Semester: VIII**  
**Time 03 hrs.**  
**Max. Marks: 100**

**Instructions: Attempt all sections**

**SECTION A**

**Attempt all questions. Each question carries 5 marks**

**[30 marks]**

S. No.		Marks	CO
Q1.	Explain the term "DevOps".	5	CO1
Q2.	List the set of practices included in DevOps.	5	CO1
Q3.	With the help of a diagram show the terraform workflow.	5	CO2
Q4.	Differentiate between monolithic and micro-services application.	5	CO2,C O3
Q5.	Explain the term Log Monitoring.	5	CO3
Q6.	List the benefits of adopting DevOps.	5	CO2

**SECTION B**

**Attempt all questions. Each question carries 10 marks**

**[50 marks]**

Q6.	Elaborate on the Agile Planning Onion.	10	CO1,C O3
Q7.	Discuss the various levels at which the end to end testing of a software should be done.	10	CO2,C O4
Q8.	Explain the backbone of SDLC in Agile using diagrams.	10	CO4
Q9.	Compare and contrast between push based and pull based strategies in DevOps	10	CO5
Q10.	Explain the pitfalls connected with DevOps methodology adoption.	10	CO4

**SECTION-C**

**Attempt all questions. Each question carries 20 marks**

**[20 marks]**

Q11.	Comment on "Enterprise DevOps Transformation in PayPal" <p style="text-align: center;"><b>OR</b></p> Comment on " Enterprise DevOps Transformation in Starbucks"	20	CO1,C O4,CO 5
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