

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

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**Online End Semester Examination, Dec 2020**

Course : System Provisioning and Configuration Management	Semester : VII
Program : B.Tech. CS + DevOps	Time : 03 Hour
Course Code : CSDV 4001	Max. Marks: 100

**Instructions:**

**SECTION A**

1. Each Question will carry 5 Marks
2. Instruction: Complete the statement / Select the correct answer(s)

S. No.	Question	CO
Q1	System Provisioning should be exclusive due to following three reasons i..... ii..... iii.....	CO1
Q2	Three challenges in Server side templating are i..... ii..... iii.....	CO3
Q3	Five Benefits of Cloud Computing are i..... ii..... iii.....iv.....v.....	CO3
Q4	These are the main benefits of Cloud Automation i..... ii..... iii.....iv.....	CO2
Q5	Five Majorly used tools for system provisioning and configuration management are i..... ii..... iii.....iv.....v.....	CO2
Q6	Five Major advantages of IaC are i..... ii..... iii.....iv.....v.....	CO3

**SECTION B**

1. Each question will carry 10 marks
2. Instruction: Write short / brief notes

Q7	What is Configuration Management? What are the benefits of Configuration Management? Explain in detail.	CO3
Q8	What is “On Premises Provisioning”? Differentiate between Server side templating and Client side templating.	CO1

Q9	What is “Provisioning on Cloud”? What the benefits are of cloud computing and how it is useful for DevOps Automation?		<b>CO3</b>
Q10	Explain the significance of Terraform Tool in CI/CD process. How is it useful for Cloud Provisioning. Explain the following terms w.r.t AWS. a) EC2 b) S3 c) VPN		<b>CO2</b>
Q11	Enlist Top 10 tools used for DevOps. Explain the flow and integration of these tool for following processes. a) Continuous Integration b) Continuous Monitoring c) Continuous feedback		<b>CO2</b>
<b>SECTION-C</b>			
<b>1. Each Question carries 20 Marks.</b> <b>2. Instruction: Write long answer.</b>			
Q 12	What is configuration Management? Why it is important in SLDC? How Configuration Management is linked with DevOps? What are the drawbacks of Configuration Management?  OR  Explain following terms in detail a) Monitoring in DevOps b) Automation in DevOps c) Preventing Errors in DevOps d) Track Changes in DevOps		<b>CO1</b>