


Name:		 UPES UNIVERSITY WITH A PURPOSE	
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination , May 2021			
Programme Name: B.Tech CS+DevOps		Semester : IV	
Course Name : Build and Release Management		Time : 03 hrs	
Course Code : CSDV 2002		Max. Marks : 100	
SECTION A (5 Marks)			
1. Each Question will carry 5 Marks			
2. Instruction: Complete the statement / Select the correct answer(s)			
S. No.			CO
Q1	What is the difference between Pre-Alpha, Alpha and Beta Phases of Release Life Cycle?		CO1
Q2	What are the five major Environments in DevOps? Explain any two environments in brief.		CO3
Q3	What is Release Management? Enlist its four processes. Explain any one of them.		CO2
Q4	“AI & ML will foster DevOps growth”. Do you agree with this statement? Write some technical points of your agreement or disagreement of this statement.		CO1
Q5	What is transitive dependency? Explain its significance with example.		CO3
Q6	Why version control is important? Differentiate between CVS and SVN.		CO1
SECTION B (10 Marks)			
1. Each question will carry 10 marks			
2. Instruction: Write short / brief notes			
Q7	What do you mean by Dependency Scope? Explain various types of Dependency Scopes in detail.		CO1
Q8	What is the Significance of Apache Maven Tool? What are the different goals used in this tool? Write any four Build commands used in Maven with specifications.		CO3
Q9	What is the Difference between Documentation and Reporting? What is the significance of Site Plugin and Site Goal?		CO2
Q10	Why POM file is also known as the configuration file of Maven? Explain its significance in Maven Build Management Tool. Explain any two major component of Project Object Model.		CO2

Q11	Write short note on following a) JUnit Annotations b) Black Box Testing	CO3
SECTION C (20 Marks) 1. Each Question carries 20 Marks. 2. Instruction: Write long answer.		
Q12	Define Build Life Cycle in Detail. Discuss various phases of Build (Default) Life cycle of a Maven Project. Relate different Goals in corresponding phases of Build Life Cycle. <p style="text-align: center;">OR</p> Write a short note on following a) Code Coverage Criteria b) Code Coverage Tools c) Code Coverage Report	CO4