


Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2018

Programme Name: CSE DevOps	Semester : 1st
Course Name : DevOps Overview	Time : 03 hrs
Course Code : CSDV1001	Max. Marks : 100
Nos. of page(s) : 02	

Instructions: Section A is of 20 marks, Section B is of 40 marks, Section C is of 20 marks.

SECTION A

S. No.	Question	Marks	CO
Q1	Would it be correct to say that Waterfall model is a very simple model? Justify	4	CO1
Q2	Why finding bugs early in software is central to faster delivery?	4	CO2
Q3	Continuous Integration and Continuous Delivery are different or same? Elaborate	4	CO4
Q4	Relate how automation in DevOps is the result of utilizing power of cloud computing.	4	CO4
Q5	Measurement is necessary to achieve DevOps Goals? How?	4	CO5


SECTION B

Q6	Draw flowchart of waterfall model. Explain all stages of the flow chart.	10	CO1
Q7	Discuss the various Cloud Delivery Models with the help of full stack diagram	10	CO4
Q8	Agile and Scrum are relatable. Establish their relation with MVP	10	CO2,C O3
Q9	Write in detail about various activities carried out in a Sprint. Support with the help of a figure/chart. Exemplify as well. OR Elucidate on Purpose of DevOps. Provide relevant examples or use cases.	10	CO2,C O3

SECTION-C- Provide Detailed Answers

Q10	a) Explain the significance of CAMS in DevOps Paradigm? Provide a detailed Description on benefits of CAMS. b) Interpret how agile helps to achieve Purpose of DevOps while an Organization is following CAMS.	20	CO1,2, 3,4,5
Q11	a) Agile Manifesto has certain principles which provide an Improvement over waterfall model. Discuss them. b) How Agile led DevOps practices affect Automation in CAMS? Does it affect any other aspect of CAMS? Explain OR a). Compare and contrast Waterfall with Agile model while focusing on drawbacks of waterfall?	20	CO1,2, 3,4,5

b). Describe how agile manifesto provides impetus to DevOps movement .		
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SECTION A

S. No.		Marks	CO
Q1	Justify the statement that Waterfall model is a very simple model?	4	CO1
Q2	What do we mean by fail fast methodology for bug tracking?	4	CO2
Q3	Compare and Contrast CI with CD.	4	CO4
Q4	How Cloud computing empowers automation in DevOps ?	4	CO4
Q5	How do we utilize measurement as a practice to achieve DevOps Goals?	4	CO5

SECTION B

Q6	Draw flowchart of waterfall model. Explain all stages of the flow chart.	10	CO1
Q7	Explain different Cloud Delivery Models with the help of a chart.	10	CO4
Q8	Establish the relation of Agile with MVP.	10	CO2,C O3
Q9	Elucidate in detail about various activities carried out in a Sprint. Support with the help of a figure/chart. Exemplify as well. OR Elucidate on Purpose of DevOps. Provide relevant examples or use cases.	10	CO2,C O3

SECTION-C- Provide Detailed Answers

Q10	a) Discuss about the significance of CAMS in DevOps ? Give a detailed description on benefits of CAMS. b) Elaborate on how purpose of DevOps is met by Following Agile in an organization which has adopted CAMS .	20	CO1,2, 3,4,5
Q11	a)Agile Manifesto has certain principles which provide an Improvement over waterfall model. Discuss them. b)How Agile led DevOps practices affect Automation in CAMS? Does it affect any other aspect of CAMS? Explain OR a).Compare and contrast Waterfall with Agile model while focusing on drawbacks of waterfall? b). Describe how agile manifesto provides impetus to DevOps movement .	20	CO1,2, 3,4,5

