

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

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course : OSS development Methodology
Program: B.tech OSS
Course Code: CSOS2005

Semester: 3rd
Time 03 hrs.
Max. Marks: 100

Instructions:

SECTION A


S. No.		Marks	CO
Q1	Explain how quality is important aspect in SDLC with its phases.	4	CO1
Q2	List the examples of languages and compiler to use OSS.	4	CO2
Q3	List down the prerequisites to launch an OSS project.	4	CO3
Q4	Define the following terms of VCS: a)commit b)repository c)working copy d)Checkout	4	CO5
Q5	Design to show how the development model could migrate from classic to bazaar.	4	CO4

SECTION B

Q6	How closed source software system is different from an open source software. Justify your answer by giving an example.	10	CO2
Q7	Describe FOSS management issues with solutions to each of them.	10	CO1
Q8	What is a version control system? Describe reasons to use it. Explain commit and patches in version control. OR Explain the concept of Communication in OSS.	10	CO3
Q9	Write Eric Raymond principles and its applicability in OSS.	10	CO4

SECTION-C

Q10	Consider the arena of remote surveillance system “Home surveillance system is becoming one of the key factors of the home security systems. A fully remotely controlled surveillance of home is going to be the future. Everyone is worried about the security of the home when they are not at home; also they want to be sure that the children or old ones are safe. This paper presents a novel solution that makes the surveillance of home from anywhere with the help of	20	CO5
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	<p>internet. Remote home surveillance with the help of internet, mobile robot and an IP camera is presented. The utilization of various available apps on internet has been done. Using the Team Viewer, Arduino Uno, RF transmitters, PC, IP camera a unique way for the home surveillance system has been realized.”</p> <p>Follow the paragraph and describe the software model that you would use to produce the application for the given arena. Also explain the quality metric followed to maintain quality</p>		
Q11	<p>Explain the concept of starting an open source project and responsibility of community in it.</p>	20	CO4
	<p style="text-align: center;">OR</p> <p>Explain the role of community in open source development. Follow the diagram and describe the community ecosystem. Write down the roles in community driven ecosystem.</p> <div style="text-align: center;">  </div>		