

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

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

<b>Course: B.Tech(CSE) OSS</b> <b>Program: OSS Development Methodology</b> <b>Course Code: CSOS2005</b>	<b>Semester: III</b> <b>Time 03 hrs.</b> <b>Max. Marks: 100</b>
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**SECTION A**

- 1. Each Question will carry 5 Marks**
- 2. Instruction: Complete the statement or fill in the blanks / Select the correct answer(s)**

S. No.	Question	CO
Q 1	Test management process includes: 1) Specify requirements, 2)....., 3) Execute tests, 4) Track defects	CO2
Q2	TAR stands for ".....", because tar format represents a directory tree as a linear data stream, which makes it ideal for saving directory trees to tape	CO3
Q3	.....: To make a change to the project; more formally, to store a change in the version control.	CO1
Q4	Minimum prerequisites for launching an OSS project:  1. Mailing list 2. Version Control 3. ....?	CO1
Q5	To participating in an open source software community: –Prepare, Get to know your community and .....	CO2
Q6	In.....License, No requirement for source code to be made available to the world in downstream distribution;	CO1

**SECTION B**

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

Q 7	Illustrate all the open source licenses and differentiate between GNU-GPL and MIT.	CO3
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Q 8	Define open source community responsibilities and roles in open source projects.	<b>CO1</b>
Q 9	What is SDLC? Why we need them? Compare waterfall and spiral model?	<b>CO2</b>
Q 10	Define Community Ecosystem, and roles in community driven ecosystem with block diagram.	<b>CO2</b>
Q 11	Justify this statement with example: “In the world of proprietary software, programmers spend their time building programs that they neither need nor want”.	<b>CO1</b>
<b>Section C</b>		
<b>1. Each Question carries 20 Marks.</b> <b>2. Instruction: Write long answer.</b>		
Q12	<p>Discuss Cathedral and the Bazaar Model. In addition, illustrate migration from cathedral to bazaar with the help of block diagram.</p> <p style="text-align: center;">OR</p> <p>Analyze Eric Raymond Principles in detail and how it given a large enough beta tester and co-developer base?</p>	<b>CO3</b>