

Name:	
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course: Open source and Open standards
Programme: B.Tech (CS+OSS)
Time: 03 hrs.
Instructions: Attempt all questions.

Semester: I
Course Code: CSOS 1001
Max. Marks: 100

SECTION A

S. No.		Marks	CO
Q1	Explain any five challenges for open source software.	5	CO1
Q2	Expand the following terms :-OSI, FLOSS, FSF, GPL, OSS	5	CO1
Q3	Explain the use of the following software:- Linux, Mozilla Firefox, PHP, Python, Apache	5	CO2
Q4	Explain any five open standard formats.	5	CO3

SECTION B

Q5	Explain all the steps involved in open source adoption?	10	CO1
Q6	Assume you want to establish new Apache Project Community for project. Explain procedure of getting permissions for Apache Software Foundation Structure.	10	CO2
Q7	“Since open source is free it can be easily adopted and used widely without any issues”? Justify your answer regarding the security issues of open source? OR “In the world of proprietary software, programmers spend their time building programs that they neither need nor want”. Explain this statement with suitable example.	10	CO2
Q8	“Mozilla uses schedule driven process.” Elaborate the statement along with the phases involved in it?	10	CO4

SECTION-C

Q 9	Suppose a company is developing closed source software and now they decided to switch to open source software. Why is it required for them to adopt open source? Also name the different drivers for open source adoption.	20	CO3
Q10	“In India, open source code software will have to come and stay in a big way for the benefit of our billion people” .Support these lines of former President A.P.J. Abdul Kalam with suitable examples? OR Interpret the term Brook’s law. Write down a project problem and how you can contribute to solve that problem as open source student(5+5+10)	20	CO1,C O4

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SECTION A

S. No.	Question	Marks	CO
Q1	Explain any five challenges for open source software.	5	CO1
Q2	Expand the following terms :- FLOSS, FSF, GNU, W3C, OSS	5	CO1
Q3	Explain the use of the following software:- PHP, Python, Apache, MySQL, Mozilla Firefox	5	CO2
Q4	Explain the term Unicode and ISCII.	5	CO3

SECTION B

Q5	Explain all the steps involved in open source adoption?	10	CO1
Q6	Assume you want to establish new Apache Project Community. Explain meritocracy structure of Apache Project Community.	10	CO2
Q7	<p>“Since open source is free it can be easily adopted and used widely without any issues”? Justify your answer regarding the security issues of open source?</p> <p style="text-align: center;">OR</p> <p>“In the world of proprietary software, programmers spend their time building programs that they neither need nor want”. Explain this statement with suitable example.</p>	10	CO2
Q8	“Mozilla uses schedule driven process.” Elaborate the statement along with the phases involved in it?	10	CO4

SECTION-C

Q 9	Summarize the process of open source development model. Explain the Apache software foundation in short.	20	CO3
Q10	<p>Suppose a company is developing closed source software and now they decided to switch to open source software. Why is it required for them to adopt open source? Also name the different drivers for open source adoption.</p> <p style="text-align: center;">OR</p> <p>Interpret the term Brook’s law. Write down a project problem and how you can contribute to solve that problem as open source student(5+5+10)</p>	20	CO1,C O4

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