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

Course: OSS Development Methodology   **Semester: III**
Programme: B.Tech(CSE+ OSS & OS)   **Course Code: CSOS2001**
Time: 03 hrs.   **Max. Marks: 100**
Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Specify roles in community driven ecosystem.	4	CO2
Q 2	What is an Open Source community and why do open source projects want to build them?	4	CO1
Q 3	What is Bug Tracking? List all the Bug-Tracking tools.	4	CO3
Q 4	How community ecosystem works?	4	CO2
Q 5	Justify this statement with example: "In the world of proprietary software, programmers spend their time building programs that they neither need nor want".	4	CO1

SECTION B

Q 6	Illustrate all the open source licenses and differentiate between GNU-GPL and MIT.	10	CO1
Q 7	Describe all types of open source software. Explain each one with example	10	CO1
Q 8	Specify all the steps involved in Test Management Process in OSS.	10	CO2, CO3
Q 9	What is SDLC? Why we need them? Compare waterfall and spiral model? OR Define all the Roles in open source projects, which used in development of OSS?	10	CO2, CO3

SECTION-C

Q 10	Discuss Cathedral and the Bazaar Model. In addition, illustrate migration from cathedral to bazaar with the help of block diagram.	20	CO4
Q 11	Analyze Eric Raymond Principles in detail and how it given a large enough beta tester and co-developer base? OR Define Community Ecosystem, and roles in community driven ecosystem with block diagram.	20	CO1, CO3, CO4

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SECTION A

S. No.		Marks	CO
Q 1	What are the common myths about open source software?	4	CO1
Q 2	What is an Open Source community and why do open source projects want to build them?	4	CO1
Q 3	What is SDLC? Why we need them? Compare waterfall and spiral model?	4	CO3
Q 4	How community ecosystem works?	4	CO2
Q 5	Justify this statement with example: "In the world of proprietary software, programmers spend their time building programs that they neither need nor want".	4	CO1

SECTION B

S. No.		Marks	CO
Q 6	Illustrate all the open source licenses and differentiate between GNU-GPL and MIT.	10	CO1
Q 7	Why is process important in software development?	10	CO3
Q 8	Describe all the OSS Development Phases.	10	CO2
Q 9	What are the steps should be involved when starting an open source project? OR How Open Source works? Explain with block diagram.	10	CO3

SECTION-C

S. No.		Marks	CO
Q 10	Discuss Cathedral and the Bazaar Model. In addition, illustrate migration from cathedral to bazaar with the help of block diagram.	20	CO4
Q 11	Analyze Eric Raymond Principles in detail and how it given a large enough beta tester and co-developer base? OR Define open source community responsibilities and roles in open source projects.	20	CO2, CO3, CO4