| Name:
Enrolment No:	UPES UNIVERSITY OF TOMORROW	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2022

Program Name: B Tech (CSE+OSOS) / B Tech (CSE+OSOS) (Hons.)   **Semester: III**
Course Name: OSS Standards and Development Methodology   **Time: 3 Hrs**
Course Code :   CSOS2010   **Max. Marks: 100**
Nos. of the page(s) : 2
Instructions: Attempt all questions.

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q 1	Explain the Open Source Initiative.	4	CO1
Q 2	Explain any four challenges for open source software.	4	CO2
Q 3	Comment on the following:-LAMP, GPL, KDE, and GNOME?	4	CO2
Q 4	Explain the steps involved in creating your own init scripts.	4	CO2
Q 5	Explain the execution phase and initiation phase.	4	CO1

SECTION B
(4Qx10M= 40 Marks)

Q 6	Interpret the term Brook's law. Write down a project problem and how you can contribute to solving that problem as open source student	10	CO1
Q 7	Explain the Bazaar and Cathedral Model	10	CO5
Q 8	Explain the following i. Version control systems ii. Bug Tracking iii. Testing Tools iv Package Management	10	CO5
Q 9	Discuss five FOSS Management issues. OR Explain the three basic areas of OSS Development Methodology	10	CO2

SECTION-C
(2Qx20M=40 Marks)

Q 10	"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.	20	CO3
Q 11	Assume you want to establish a new Apache Project Community. Explain the meritocracy structure of the Apache Project Community. (10+10)	20	CO4

	OR Summarize the process of the open source development model. Explain the Apache software foundation in short. (10+10)		