

Name:

Enrolment No:



**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, Dec 2022**

**Course: Oss Standards Development Methodology and Licensing**

**Semester: V**

**Program: B.Tech. CSE + LLB CL**

**Time: 03 hrs.**

**Max. Marks: 100**

**Instructions: Attempt all Questions from Sections A, B & C. There is internal choice in Sections B and C.**

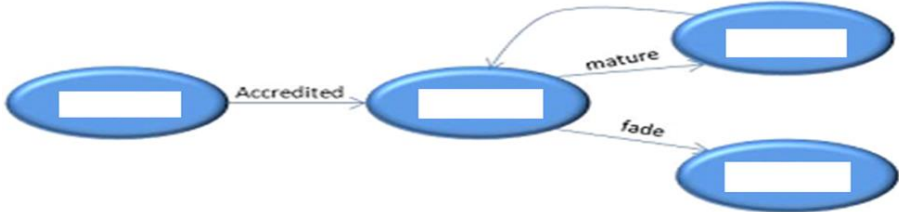
**SECTION A**

**5X4 = 20 MARKS**

S. No.		Marks	CO
Q 1	<p>Mention the correct answer:</p> <p>(a) Open source is not A-economical B-safe C-without CD Key D-nicely documented</p> <p>(b) Richard Stallman was associated with which of following A-BSD-UNIX B-GNU project C-WINDOWS D-ANDROID</p> <p>(c) Dejure standards can be A-open and closed standards B-only open standard C-only close standard D-neither open nor closed standard</p>	[4]	CO1
Q 2	<p>Mention the correct answer:</p> <p>(d) Which is not part of FLOSS A-FREE B-Libre C-flexible D-all are part FLOSS</p> <p>(e) EMACS is A-web browser B-closed source technology C-open source text editor D-text editor for Mobile</p>	[4]	CO1
Q 3	Fill in the blanks	[4]	CO3

	<p>a. Greenwich Mean Time (GMT) is example of .....</p> <p>b. Give one example of Network Effect .....</p> <p>c. Example of Open standard is .....</p> <p>d. ISI mark is developed by the Bureau of .....</p> <p>e. ISO stands for .....</p>		
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Q 4	Elaborate the difference between Open and closed standards? Give four examples of each.	[4]	CO4
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Q 5	<p>Fill and explain the circle representing Life Cycle of Standard:</p> 	[4]	CO2
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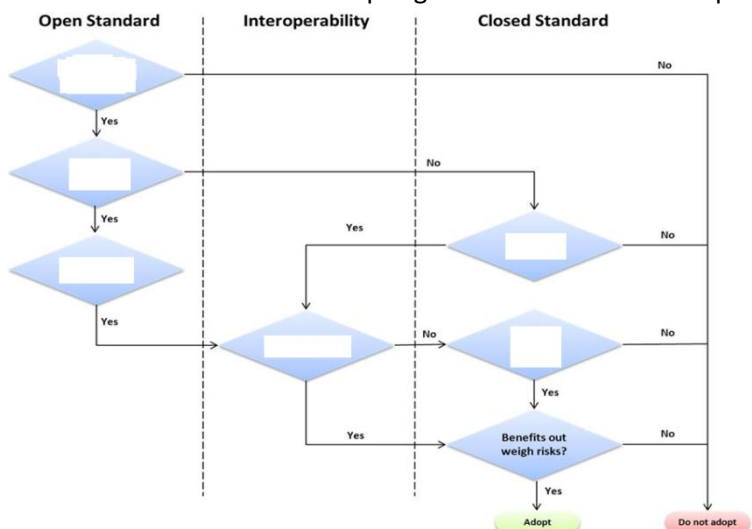
**SECTION B**

**10X4 = 40 MARKS**

**There is internal choice in question no. 9**

Q 6	Elaborate short note on OSS and Free Software? What are benefit of OSS.	[10]	CO2
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Q 7	Give a brief understanding of Open standard? What are attributes of Open standard? Explain Openness in Development implementation and use.	[10]	CO4
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Q 8	<p>Fill the below flowchart for adapting to new standard and explain in detail all aspects:</p> 	[10]	CO1
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Q 9	<p>Analyze and answer as required</p> <p>a. What is Linux’s way of working?</p> <p>b. Explain FreeBSD and KDE.</p> <p>c. Give brief introduction of Firefox web browser and Apache HTTP Server.</p> <p>d. What is Eclipse and Java?</p> <p><b>OR</b></p> <p>List all the licenses that qualify as free documentation licenses and do not qualify as free documentation licenses. Differentiate between them.</p>	[10]	CO2
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**SECTION-C****(20X2 = 40 MARKS)****ATTEMPT ALL QUESTIONS.****NOTE : THERE IS INTERNAL CHOICE IN Q.11 (Q.11 has two parts and both have to be attempted)**

Q10	<b>a)</b> List out and explain all the Licenses for Works of Practical Use besides Software and Documentation. <b>b)</b> Describe Licenses for Designs for Physical Objects.	<b>[10+10]</b>	<b>CO3</b>
Q11	Complete, Analyze and Create the following case studies (Min 250 words) Case Study 1: Managing License Compliance in Free and Open-Source Software Development <b>OR</b> Case Study 2: Exploring the Quality of Free/Open-Source Software: A Case Study on an ERP/CRM System	<b>20</b>	<b>CO4</b>