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# UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
## End Semester Examination, May 2019

**Course:** It Application & Open Standard  **Semester: 2ⁿᵈ**
**Program:** Btech OSS  **Time 03 hrs**
**Course Code: CSOS1003**  **Max. Marks: 100**

### SECTION A

| S. No. | | Marks | CO |
|---|---|---|---|
| Q 1 | Name the following:<br>a) Governance process in governance of standards<br>b) Examples of open Source<br>c) Name the frameworks related to IT<br>d) the three aspect of open source | 4 | CO1 |
| Q2 | What does the following Stands for  :<br>a)FOSS<br>b)HL7<br>c)SDLC<br>d)EAS | 4 | CO1 |
| Q3 | Do as directed :<br>a) Differentiate between IT governance and Open Source Governance<br>b) List down the advantages of using private standards. | 2+2 | CO2 |
| Q4 | Name the characteristics of an enterprise | 4 | CO3 |
| Q5 | Draw the diagram of SDLC | 4 | CO2 |

### SECTION B

| Q 6 | What does HIT stands for .Write in brief bout its components | 1+9 | CO4 |
|---|---|---|---|
| Q7 | What does SDLC stands for ? Explain briefly its various phases? Justify how is it necessary? | 1+4.5+4.5 | CO2 |
| Q8 | a)What is FOSS management? Components of FOSS policies? Describe the reasons to effectively use and manage it ?<br><br><div align="center">OR</div><br>b)What are the critical features of a distributed system ? What are Vertical standards. Explain the categorization | 1+4.5+4.5<br><br>5+5 | CO4 |
| Q9 | What does EAI stands for ? Draw a diagram to justify. What are the advantages of using open Source in Enterprise Application | 1+4.5+4.5 | CO3 |

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| **SECTION-C** | | | |
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| Q 10 | Consider yourself to be a owner of an enterprise. You could choose the arena of retail, insurance or healthcare. Explain the role as IT in any of the three domain you choose to open the enterprise. | **20** | **CO3** |
| Q11 | a)Briefly explain ACORD? Draw a diagram representing the level of industry standard adoption .As per from the Insurance domain what formats of ACORD would you use.<br><br><div align="center">OR</div><br>b)Being from the domain of Open source open standards do you think it is necessary to reduce the cost of technology in the arena of retail ? Justify your answer with standards briefly | **20** | **CO4** |

# UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
## Mid Semester Examination, March 2019

**Programme Name: B.Tech-CSE-Spz -OSS**  Semester : 2nd
**Course Name  : IT Application & Open Standards**  Time  : 3 hrs
**Course Code  : CSOS1003**  Max. Marks : 100

## SECTION A

| S. No. | | Marks | CO |
|---|---|---|---|
| Q 1 | 1)Define Open Source & Open Standards .Differentiate between them<br>2) Explain the term IT governance<br>3)Define the term SDLC<br>4) Define the term FOSS. | 4 | CO1 |
| Q2 | 1) List down the Phases of SDLC<br>2) List down the various SDLC models | 2+2 | CO2 |
| Q3 | 1) List down the components of FOSS policies<br>2) What is insurance ? How is it a business? | 2+2 | CO4 |
| Q4 | Debugging and testing process come under which model ? Are they similar ? justify? | 4 | CO2 |
| Q5 | A) List down the reasons for the usage of open Standards<br>B) List down the various standards of retail industry | 4 | CO1<br>CO3 |
| **SECTION B** | | | |
| Q 5 | What does ISO Stands for ?Describe its government structure? | 10 | CO2 |
| Q6 | Explain briefly  the concept of data quality & consistency in insurance sector. | 10 | CO3 |
| Q7 | a) Describe ACORD framework .Justify it with suitable diagram.<br>OR<br>b) Discuss various ACORD models .Justify it with a diagram. | 10 | CO3 |
| Q8 | Briefly describe FOSS management & the reasons of its usage. Describe the various management strategies used to mitigate the potential risks of using open source | 10 | CO2 |
| **SECTION-C** | | | |
| Q 9 | Suppose you are an IT professional and you are hired  by an insurance company .Do you think data is important information in Insurance industry .Explain briefly what are the information requirement in this sector .Justify it with a neat diagram | 20 | CO4 |
| Q10 | a) Being from the domain of OSS consider that you opened up a firm which supports FOSS. While forming the policies of you firm What consideration will you take .Describe and justify you answer with a scenario.<br>OR<br>b)Being from IT domain you were appointed by the govt. of India to hold up work shop for awareness of Infor mation Technology in insurance sector .Justify and discuss how would you map the application to the insurance sector | 20 | CO4 |