SET1

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

Course: Healthcare applications &HL7-1
Semester: 8th
Program: B. Tech. CSE+ OSS   **Time 03 hrs.**
Course Code: CSEG447   **Max. Marks: 100**

Instructions:

	SECTION A		
Q1	"Standards stimulate competition and drive costs down"? what is need of standards in healthcare?	4	CO1
Q 2	Who contribute to components of healthcare information technology?	4	CO1
Q3	What are the usages oh HL7?	4	CO2
Q4	Differentiate between Private, Public & Charitable Healthcare Organizations?	4	CO2
Q5	"Healthcare providers work under different categories"Explain them.	4	CO1, CO2
	SECTION B		
Q 6	Explain the architectural model of HL71?	10	CO2
Q7	"Role of healthcare payers is important in HL& model"?Justify the statement	10	CO3
Q8	Various open source applications are available for Electronic Medical Record? Explain any 5 of them.	10	CO3
Q9	"How does the healthcare model facilitates the delivery of services to the clients? **OR** Explain the need of Healthcare Data Interchange Standards ?	10	CO1, CO2 CO3
	SECTION-C		
Q 9	1. Does the working of HL7 follow some organizational structure ?Support your answer with valid Explainations. 2. Describe the structure of Basic HL7 Message	10+10	CO4
Q10	What does a field signify in message structure?what are various fields and attributes of HL7 message structure? HL7 defines some constraints on type of data in data field of message structure? Discuss all the data types available for HL7 message structure? OR	10+10	CO4

	Describe in detail various type of Healthcare standards given by HL7 in various aspects?Also give 3 examples of each		

SET2

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

Course: Healthcare applications &HL7-1
Semester: 8th
Program: B.Tech CSE+ OSS   Time 03 hrs.
Course Code: CSEG447   Max. Marks: 100

Instructions:

	SECTION A		
Q1	" Standards stimulate competition and drive costs down"?what is need of standards in healthcare?	4	CO1
Q 2	"Healthcare information technology is an integrated system comprising several components?"Comment	4	CO1
Q3	Name and describe 2 Public Health Management Tools?	4	CO2
Q4	How does Private, Public & Charitable Healthcare Organizations impact healthcare services?	4	CO2
Q5	Who are health care providers ?Explain	4	
	SECTION B		
Q 6	Explain the organizational model of HL71?	10	CO3
Q7	Open Source Applications provide several image and visualization tools?Describe the salient features of any 5.	10	CO3
Q8	Various open source applications are available for Electronic Medical Record? Explain any 5 of them.	10	CO3
Q9	"How does the healthcare model facilitates the delivery of services to the clients? **OR** Define Proprietary software in healthcare applications?Also give its categorization.	10	CO3
	SECTION-C		
Q 9	1. Name and Explain the significance of Healthcare information standards. What is the approach followed for developing these standards 2. Describe the structure of Basic HL7 Message	10+10	CO1,CO2,CO3,CO4
Q10	What does a field signify in message structure?what are various fields and attributes of HL7 message structure? HL7 defines some constraints on type of data in data field of message structure? Discuss all the data types available for HL7 message structure? OR	10+10	CO4

	Describe in detail various type of Healthcare standards given by HL7 in various aspects?Also give 3 examples of each		