UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
Online End Semester Examination, May 2020

Course: Healthcare Applications & HL7_1 Semester: VIII
Program: B. Tech. CSE OSS Time 03 hrs.
Course Code: CHSI4001 Max. Marks: 100

SECTION A

1. **Each Question will carry 5 Marks**
2. **Instruction: Complete the statement / Select the correct answer(s)**

S. No.	• **Question**	**CO**
Q 1	Find the correct statement a) HL7 cannot be used in administration of patients b) HL7 cannot be used in care planning c) HL7 may be used in generating the reports d) HL7 can be used in financial management	**CO1**
Q2	Providers should organization a) only be a non-profitable b) only be a profitable c) both a and b d) None of the above	**CO1**
Q3	Acute care healthcare model covers a) wellness centres , centres for excellence b) surgery centres c) Only a d) All of the given	**CO2**
Q4	Patient care services provide which of the following services a) Nursing care b) Billing c) Ward Management d) WordPress	**CO1**
Q5	Tasks to be performed by HL7 a) Ability to establish HL7 TCP/IP MLP connectivity b) Ability to parse and/or serialize any standard version of HL7 to XML, c) Ability to parse and/or serialize any standard version of XML to HL7 d) All of the above	**CO1**
Q6	Examples of tertiary care providers are a) Cardiac centre b) Cancer care c) Both given d) None of given	**CO1**

<table>
<tr><td colspan="3" align="center">SECTION B</td></tr>
<tr><td colspan="3">1. Each question will carry 10 marks
2. Instruction: Write short / brief notes</td></tr>
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<tr><td>Q 7</td><td>Compare and explain the significance of various Healthcare information standards. Elaborate the approach followed to design them.</td><td>CO2</td></tr>
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Q 8	"HL7 message follows a standard structure". Comment and Elaborate.	**CO2**
Q9	Explain the structure of Organizational Model of HL7.	**CO3**
Q 10	Are image and visualization tools are available as open source in market". Support your answer with example.	**CO3**
Q 11	Explain the significance of fields and Attributes in HL7 message structure.	**CO4**

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<tr><td colspan="3" align="center">Section C</td></tr>
<tr><td colspan="3">1. Each Question carries 20 Marks.
2. Instruction: Write long answer.</td></tr>
<tr><td>Q12</td><td>Hl7 defines some constraints for HL7 message structure data field. Discuss them (20).

OR

Explain and differentiate standard development bodies for HL7.</td><td>CO4</td></tr>
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