

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B.Tech(CSE) OSS

Subject (Course): Healthcare applications & HL7 - I

Course Code :CSIB 411

No. of page/s:

Semester – VII

Max. Marks : 100

Duration : 3 Hrs

Section A

Note: All 4 questions are compulsory. Each question of Section A carries 5 marks.

- Q1. Compare Open MRS and Care 2x.
- Q2. How ASTM a charter member of ANSI manage medical information standard.
- Q3. Specify application and salient feature of ANSI X12 - Electronic Data Interchange (EDI) Standard.
- Q4. How real life event triggers the need to interchange information between different HIT systems.

Section B

Note: All 5 questions are compulsory. Each question of Section B carries 8 marks.

- Q5. Specify the drawback of Multiple HIT Systems before HL7 standardization
- Q6. Categorized different type of Healthcare provider.
- Q7. Justify the statement “*Lack of robust HIT Infrastructure.*”
- Q8. How HL7 batch protocol defines the transfer a batch of HL7 messages.
- Q9. Explain the role of HL7 organization and draw organization structure with proper explanation

Section C

Note: Any 2 questions are compulsory. Each question of Section C carries 20 marks.

Q10. Identify different open standards development stages in HL 7 and explain each stage with example.

Or

Elaborate the role of HL7 Escape Sequences HL 7 standard

Q11. Enabling processes with technology – how you make All the “moving parts” working together. Explain with proper process flow and diagram.



Roll No: -----



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program: B.Tech(CSE) OSS

Subject (Course): Healthcare applications & HL7 - I

Course Code :CSIB 411

No. of page/s:

Semester – VII

Max. Marks : 100

Duration : 3 Hrs

Section A

Note: All 4 questions are compulsory. Each question of Section A carries 5 marks.

- Q1. Compare ePrescription system and eprescription .
- Q2. How DICOM (Digital Imaging and Communications in Medicine -ISO 12052) charter member of ANSI manage medical information standard.
- Q3. Specify application and salient feature of different trigger events in HL 7.
- Q4. How HL7 batch protocol defines the transfer a batch of HL7 messages.

Section B

Note: All 5 questions are compulsory. Each question of Section B carries 8 marks.

- Q5. Specify the drawback of Multiple HIT Systems before HL7 standardization
- Q6. Categorized different type of Healthcare provider.
- Q7. Justify the statement “*ASTM Technical Committee E31 is responsible for the medical information standards.*”
- Q8. How real life event triggers the need to interchange information between different HIT systems.
- Q9. Explain the role of HL7 organization and draw organization structure with proper explanation

Section C

Note: Any 2 questions are compulsory. Each question of Section C carries 20 marks.

Q10. Identify different Sequence number protocol open standards development stages in HL 7 and explain each stage with example.

Or

Elaborate the role of HL7 Escape Sequences HL 7 standard with example .

Q11. Enabling processes with technology – how you make All the “moving parts” working together. Explain with proper process flow and diagram.

