

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, April/May 2018

Course: Healthcare Application & HL 7 II
Program: B.Tech(CSE)OSS
Time: 03 hrs.

Semester: VIII

Max. Marks: 100

Instructions: Dr. Vinay Avasthi

SECTION A

S. No.		Marks	CO
Q1	Elaborate the scope of ADT domain.	5	CO3
Q2	Outline the functionality of Clinical Laboratory Automation.	5	CO3
Q3.	Elaborate evolving complexities of healthcare standards	5	CO6
Q4.	Analyze ADT message segments in current scenario.	5	CO1

SECTION B

Q5.	Identify different domains of HL7 2.x standard along with contents details	10	CO2
Q6.	Justify statement “ HL7 queries follow the interrogative style of messaging “	10	CO3
Q7.	Compare Electronic Health Record (EER) and Integrated Healthcare Enterprises (IHE)	10	CO5
Q8.	Illustrate the process flow for MPI assigns identifier, person exist on MPI.	10	CO4
	OR		
	Illustrate the process flow for client system assigns identifiers does not exist on either system.		

SECTION-C

Q9	Examine how The HL7 Standard is intended to standardize data interchange. Illustrate embedded architecture with sequential nested tables.	20	CO1
Q10	Apply HL7 CDA principle with context of Indian Electronic Health Record (HER) and list Key limitation of 2.x Standard.	20	CO5
	OR		
	Apply Reference Information Model (RIM) on V3 development process. List core classes of RIM		