

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2018

Course : IT Adoption in Healthcare Operations & Process
Programme : B. Tech CSE Spz in Healthcare Informatics
Course Code: CSEG355

Semester: V
Time: 03 hrs.
Max. Marks: 100

SECTION A

5 X 4 = 20

S. No.	Answer all questions	Marks	CO
Q1	How does changes in medical technologies effects cost of Healthcare	4	CO1
Q2	Why is it important to have standards in healthcare and how are they useful?	4	CO1
Q3	Why is it essential to understand clinical trial systems?	4	CO2
Q4	How is the development of Genomics and Data hub solutions help to improve healthcare quality in developing county like INDIA?	4	CO3
Q5	Signify application aspect of technology in LIS and what more can be done in that?	4	CO3

SECTION B

4 X 10 = 40

Q6	What are architectural & functional requirements of e-healthcare in health information management systems?	10	CO1
Q7	What are different healthcare standards & interoperability mechanism followed in HIMS?	10	CO2
Q8	Detail about how new drug discovery is carried out and managed with technological interventions	10	CO2
Q9	How CRO's are to be handled to improve the global clinical trial systems in INDIA? Or What is the significance of PACS in LIS & RIS systems?	10	CO3

SECTION-C

2 X 20 = 40

Q10	What are different solution aspects available from an analytics aspects that can help understand medical data very effectively? Or Technological intrusions in healthcare is a humane aspect or not? Illustrate your solution with a valid justifications and cases.	20	CO2 / CO1
Q11	DNA synthesis is an essential aspect of advanced technological interventions. What are various ways available to perform it and how are these helpful in providing low-cost medical care.	20	CO3