UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2017

Program:Btech CSE SPL HI   Semester – III
Subject (Course): Fundamentals of HealthCare Informatics   Max. Marks   : 100
Course Code   :CSIB-293   Duration   : 3 Hrs
No. of page/s:

Instruction: All Questions are Compulsory

Section A

(4 *5 =20)

1   What is Primary, Secondary and Tertiary care?

2   Enlist few medicine manufacturing companies in India

3   What is the impact of charity and donations in industry?

4   Enlist few wearables with their characteristics.

5   What are the various key forms of health information exchange?

Section B

(8 *5=40)

1   Enlist 8 major complexities that need to be handled with utmost diligence and care.

2   What are the common types of healthcare IT standards?

3   Discuss the role of IT in pharma distribution.

4   Discuss emerging technologies in health care sector.

5   Write a short note on professional technology and assisted technology in healthcare.

Section C

(20*2=40)

Health Care Technology Life Cycle

figure 1.

1. Explain figure 1 in light of complete healthcare life cycle.

2. What are the challenges of data in Health Care.

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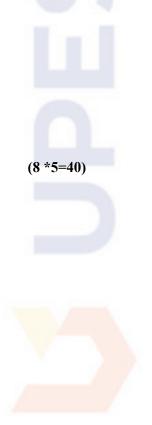Course Code   :CSIB-293   Duration   : 3 Hrs
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Section A

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1   Name some of the players of health care sector.

2   How to resolve data and privacy issue in health care.

3   Discuss about emerging trends in healthcare delivery.

4   What is electronic health record?

5   What are the various factors come under mother and child care

Section B

(8 *5=40)

1   What are the major components included in patient monitoring system.

2   Describe innovations in form of products, machinery, tools and services.

3   Write a short note on automation and virtual technology in healthcare.

4   Throw a light on various virtual models available in health care sector

5   What are the challenges faced by government in health care sector.

Section C

(20*2=40)

1. Discuss the role of IT in individual health care.

2. Explain product healthcare life cycle in India.