

Question Paper



MANIPAL UNIVERSITY

**SCHOOL OF INFORMATION SCIENCES (SOIS)
SECOND SEMESTER MASTER OF ENGINEERING - ME (BIG DATA AND
DATA ANALYTICS)**

DEGREE EXAMINATION- APRIL / MAY 2017

Wednesday, 26, 2017

Time : 10:00 AM - 1:00 PM

Healthcare Informatics [BDA 608]

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) What is an EMR? How is a PHR different from an EMR? (10)
- 2) What is Evidence Based Practice? What is the role of informatics in Evidence Based Practice? (10)
- 3) What is Telemedicine? Explain Remote Patient Monitoring (10)
- 4) What is Cryptography? Explain Caesar's Cipher and highlight its drawback (10)
- 5) What is Authentication? Explain 2 factor Authentication (10)
- 6) Define a Clinical Decision Support System? What are its characteristics? (10)
- 7) What is DICOM? Why DICOM is needed? (10)
- 8) Discuss the DICOM Informational Model? (10)
- 9) What is HL7? What are the components of an HL7 Message? (10)
- 10) With example explain ADT and ORM message format (10)