Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES (SOIS)
SECOND SEMESTER ME - MEDICAL SOFTWARE
DEGREE EXAMINATION- APRIL
Monday, 23 April 2018
Time : 10:00 am to 1:00 pm
Interoperability Standards in Healthcare [MMS 620]

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1)	What is DICOM? How does DICOM works?	(10)
2)	How DICOM attributes are encoded using DICOM dictionary	(10)
3)	Explain little and big endian order	(10)
4)	List DICOM service classes? Explain any two	(10)
5)	What is IOD? Explain IOD terms and types of IODs	(10)
6)	Explain HL7 standard and highlight its usage in healthcare domain	(10)
7)	What is the role of OSI reference model in HL7	(10)
8)	Mention Basic principles of HL7? Give the overview of HL7 messaging	(10)
9)	What is the role of below mentioned terms in HL7 Message and Message delimiters	(10)
10)	Which are the two modes present in message processing rules? Give the exchange overview of processing rules	(10)

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