International Institute of Health Management Research (IIHMR), New Delhi

PGDM (HOSPITAL AND HEALTH MANAGEMENT)

(Batch 2022-2024)

RE_SUPPLEMENTARY EXAM (4th Term)
SUPPLEMENTARY EXAM (5th & 6th Term)

HIT 701-Digital Health Standards and Health Information Exchange

Date: June 26, 2024   Timing & Duration: 02:30-05:30 P.M. (3 Hrs.)   Max. Marks: 100

Instructions:
- Budget your time as per the marks given for each question and write your answer accordingly.
- Don't write anything on the Question Paper except writing your Registration No.
- Mobile Phones are not allowed even for computations.

Part A: Multiple Choice Questions (all are compulsory)   (Total 20 marks/2 mark each)

Q1. True or False: Content standards are those standards, which illustrate how the data being transported is packaged (Example: HL7).

Q2. Which of these are the components of SNOMED CT?
a. Concepts, Descriptions, Relationships
b. Context, Definition, Relationships
c. Content, Details, Relation
d. Content, Descriptions, Relationships

Q3. Which of the HL7 versions utilizes XML format?
a. HL7 V2
b. HL7 FHIR
c. HL7 V3
d. All of the above

Q4. Which information is more available to doctors because of the inception of EHRs?
a. Drug dosages
b. Side effects
c. Allergies
d. All of these

Q5. Which of these standards throws light on body structure & function; activity & participation; and contextual factors?
a. International classification of diseases (ICD)
b. International classification of functioning, disability and health (ICF)
c. Digital imaging and communications in medicine (DICOM)
d. International classification of health interventions (ICHI)

Q6. SNOMED-CT is used by the healthcare providers for the electronic exchange of _____ information.
   a. Technical
   b. Medical imaging
   c. Clinical
   d. None

Q7. Which term refers to the ability of a software program to accept, send, or communicate data from its database to other software programs from multiple vendors?
   a. Continuity of healthcare records
   b. Interpretability
   c. Interoperability
   d. Operational continuity

Q8. True or False: FHIR uses the same client-server topology and protocols employed in the World Wide Web (e.g., HyperText Transfer Protocol (HTTP) and RESTful methodology).

Q9. Demographic information including a _____ identifier is necessary for a health record system.
   a. Personal
   b. Visit
   c. Electronic
   d. Unique

Q10. What do you mean by syntactic interoperability?
   a. Enabling uniform structure
   b. Interpreting the same meaning throughout
   c. Enhancing seamless data exchange
   d. All of the above

Part B: Write Short notes (any four)   (Total – 20 marks/ 5 marks each)

Q11. What is the difference between interoperability and integration?

Q12. Explain the basic message structure of HL7 V2.

Q13. List the major categories of health IT standards and their purposes.

Q14. How can information technology be applied in the health and hospital industry?

Q15. What is interoperability? Explain the basic levels of interoperability.

Part C: Long Questions (any four)   (Total – 60 marks/ 15 marks each)

Q16. Explain any four of these standards in detail:
   a. HL7
   b. ICD-11
   c. SNOMED-CT
   d. HL7-FHIR
   e. DICOM