Post Graduate Diploma in Management (Hospital & Health Management)
PGDM – 2022-24 Batch

Term – 2nd Year - 4th Term Examinations

Course & Code : Clinical Information Systems-HIT 708		**Reg. No.** :	
Term & Batch : IV, 2022-24		**Date** : October 05, 2023	
Duration : 3 Hrs.		**Max. Marks** : 70	

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.

A. Multiple Choice Questions (all are compulsory)

(Total 10 marks/1 mark each)

1. All are the elements of Hospital utilization indices except

   (a) Average length of stay
   (b) Bed turnover interval
   (c) Population growth rate
   (d) Bed occupancy rate

2. POMR of a Medical Record stands for

   (a) Problem outcome medical record
   (b) Problem objective medical record
   (c) Problem oriented medical record
   (d) Problem open medical record

3. Consent is obtained in all these conditions except

   (a) Surgical operations
   (b) Outpatient consultation
   (c) High risk medication
   (d) Gastrointestinal endoscopy

4. The symbol for "Decision point" in a decision flow processes chart for mapping workflows is:

(a) ◯
(b) △
(c) ⇨
(d) ◇

5. Dimensions of communication a at the applicative level deal with all except

(a) Conceptual
(b) Syntax
(c) Symantec
(d) Pragmatic

6. Medical records is a chronological assembly of notes, forms, reports, summaries and contains all except

(a) Medical Certificate requisition
(b) Nurse graphical charts
(c) Diet charts
(d) Case sheet

7. These standards for data exchange for medical equipment is

(a) HL7
(b) XML
(c) DICOM
(d) MIB

8. The highest quality of evidence for CDSS is generated by

(a) Meta analysis
(b) Systematic reviews
(c) Cohort study
(d) Case control studies

9. A successful surgery is a culmination of following processes

(a) OPD Consultation, Operation Theatre, Anaesthesia, Surgery
(b) Patient, Anaesthesia, Surgery, Human Resource management
(c) Patient, Operation Theatre, Anaesthesia, Discharge
(d) Patient, Operation Theatre, Anaesthesia, Surgery

10. Surgical Safety Checklist includes all except

(a) Sign In
(b) Time In
(c) Sign Out
(d) Time Out

B. Write Short notes (any four)

(Total – 20 marks/ 5 marks each)

1. Image Archiving
2. Medical Record Access Policies
3. DICOM components
4. Hierarchy of Clinical evidence
5. CDSS Active system
6. Genomics as a tool for CDSS

C. Long Questions (any four)

(Total – 40 marks/ 10 marks each)

1. What is a Clinical information system. Describe the main components of clinical information system.
2. What is a Medical record. What are the main two types of medical records. Enumerate the advantages and disadvantages of POMR.
3. Clinical Information requires to be transcribed into digital systems as Guidelines, Pathways, Bundles, Protocols and Checklists. Describe briefly.
4. What is a Clinical decision support system (CDSS). Describe the difference between Knowledge based and Non-knowledge based CDSS.
5. What are the elements of Plan of care for Inpatient. Describe medical plan of care and the documentation required in detail.
6. Describe the process for Medical imaging management and communication system.