

Post Graduate Diploma in Management (Hospital & Health Management)
PGDM – 2023-25 Batch

1st Year – 2nd Term Examination

Course & Code	: CC-616 Introduction to Digital Health-I	Reg. No.	:
Term & Batch	: II, 2023-25	Date	: 11-04-2024
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.

***** Total Questions should not exceed 20. Below is the example for the question allotment.**

***** No choice of questions in Part A. In Part B & C, choice can be given.**

Part A: Q. 1 to Q.10 (10 questions*1 marks = 10 marks).

One liner, MCQs, True/False

Q.1 Which of the following health communication styles makes use of the patient's knowledge and experience?

- a. doctor-centred communication
- b. patient-centred communication
- c. practitioner-centred communication
- d. none of these

Q.2 Which of the following principle(s) is/are part of a patient-centered style of health communication?

- a. exploring both disease and experience.
- b. understanding the whole experience.
- c. incorporating prevention and health promotion.
- d. all of these

Q.3 Which of the following refers to the capacity to access, understand, appraise, and apply health information and services, and to make appropriate health decisions to promote and maintain health?

- a. health accessibility

- b. health appraisal
- c. health literacy
- d. health promotion

Q.4 Which of the following refers to a programme that aims to enable patients to make better use of information and communication technology for health and health care?

- a. patient informatics
- b. ICT health
- c. health-tech
- d. none of these

Q.5 The use of mobile and wireless applications (e.g., SMS, apps, wearable devices, remote sensing and use of social media, such as Facebook, Twitter and Instagram) to health-related purposes describes_____.

- a. e-health
- b. i-health
- c. s-health
- d. m-health

Q.6 Which of the following is a general term used to refer to the application of digital information and communication technology to health care?

- a. digi-health
- b. e-health
- c. i-health
- d. tech-health

Q.7 With reference to Ayushman Bharat Digital Mission, consider the following statements

1. It aims to digitize the health infrastructure in India by making a unique health ID mandatory for every citizen
2. It will be implemented by National Health Authority (NHA)

Which of the following statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 & 2
- d. Neither 1 nor 2

Q.8 The purpose of ISO/TS22220:2011 Health informatics standard is used for

- a. Basic identity details of patient
- b. system architectural requirements
- c. system functional requirements

d. information model architecture and communication

Q.9 ISO 13940 Health informatics serves the purpose of

- a. Concepts for care, actors, activities, processes, etc.
- b. System architectural requirements
- c. None of the above

Q.10. ISO/TS 14441:2013 standard refers to.

- a. Data Privacy and Security
- b. Privilege Management and Access Control
- c. Information Security Management
- d. Audit trail and Logs

Part B: Q.11 to Q.15 (4 questions *5 Marks =20 Marks) Attempt any four.

Short Notes

Q.11 Explain the Functioning of EMR Ecosystem in reference to NDHM or ABDM?

Q.12 Explain the benefits of electronic medical records (EMR) for Patients, Doctors, and facilities?

Q.13 What is CPOE and advantages of CPOE?

Q.14 Define the capabilities of Decision support system and its support for various decision-making levels?

Q.15 What are the key applications of AI Artificial intelligence in healthcare explain in detail?

Part C: Q.16 to Q.20 (4 questions *10 Marks =40 Marks) Attempt any four.

Long Notes

Q.16 Explain the role of Personal Health Records (PHR) in improving Healthcare Quality?

Q.17 What are the barriers and challenges in adoption of digital technology in healthcare?

Q.18 Explain the key aspects of data privacy and data security in the context of digital technology adoption?

Q.19 Explain the guidelines issued by MoHFW as per EHR 2016 for

- a. Hardware
- b. Software
- c. Networking and connectivity?

Q.20 What is the federated architecture of NDHB? Explain the principles of federated architecture and its components?