

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024
(Fourth Semester)

Branch - HOSPITAL ADMINISTRATION

HEALTH INFORMATICS

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Which of the following is defined as the mobilization of healthcare information electronically across organizations within a region, community or hospital system?
(i) Health informatics (ii) Health information exchange
(iii) Health information technology (iv) Health information management
- 2 A network inside an organization that supports communications and business functions is called as?
(i) Intranet (ii) Extranet
(iii) Virtual private network (iv) Internet
- 3 Which of the following is not a benefit of EHR?
(i) Little or no training necessary
(ii) Enhanced access to clinical information
(iii) Improved patient safety
(iv) Decreased medical errors
- 4 The interdisciplinary domain that sits at the intersection of clinical practice, information technology, information management and management practices is known as
(i) Health Informatics (ii) Biomedicine
(iii) Health Information Management (iv) Telehealth
- 5 In EHR Data ownership, the medium of storage or transmission of such electronic medical record will be owned by the _____.
(i) Software Developer (ii) Govt. authorities
(iii) Healthcare Provider (iv) Patient

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Explain the term Healthcare informatics.
OR
b Interpret clinical data warehouse.
- 7 a Enumerate the need for EHR.
OR
b List the types of Health Information System.
- 8 a List out few examples of new technology designed to improve patient safety in detail.
OR
b Infer a note on Security breaches.

Cont...

- 9 a Interpret a short note on MHealth.
OR
b Explain the role of Health information Technology.
- 10 a Interpret a note on barriers to Telemedicine.
OR
b Infer a note on importance of Bio informatics.

SECTION -C (30 Marks)

Answer ALL questions
ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss on health informatics resources.
OR
b Enumerate a note on role of informaticians in analytics.
- 12 a Analyze the challenges in EHR adoption.
OR
b Extend a note on Clinical Decision Support system.
- 13 a Enumerate a note on Health informatics Ethics.
OR
b Explain the basic security principles.
- 14 a Interpret and explain the process of medical information retrieval.
OR
b Extend a note on role Health information technology in patient safety.
- 15 a Discuss on International Telemedicine.
OR
b Interpret your understanding on global health informatics.

Z-Z-Z

END