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QUALIFICATION : BACHELOR OF SCIENCE IN HEALTH INFORMATION SYSTEMS MANAGEMENT	
QUALIFICATION CODE: 07BSHM	LEVEL: 5
COURSE: LEGISLATION AND ETHICS IN HEALTH INFORMATION MANAGEMENT	COURSE CODE: LET521S
DATE: NOVEMBER 2024	SESSION: 1
DURATION: 3 HOURS	MARKS: 100

FIRST OPPORTUNITY: EXAMINATION QUESTION PAPER

EXAMINER: MS INDAA PAULUS

MODERATOR: MS ELIZABETH NDAKUKAMO-KASINO

INSTRUCTIONS

1. Answer all questions on the separate answer sheet.
2. Please write neatly and legibly.
3. Do not use the left side margin of the exam paper. This must be allowed for the examiner.
4. No books, notes and other additional aids are allowed.
5. Mark all answers clearly with their respective question numbers.

PERMISSIBLE MATERIALS

1. None

This question paper consists of 4 pages including this front page.

QUESTION 1

(15)

1. Evaluate the statements and select whether the statement is **TRUE** or **FALSE**. Each question carries one (1) mark.
 - 1.1 Values are general rules of conduct enforced by the government impose penalties when prescribed values are violated.
 - 1.2 Contract law is concerned with the body of rules and principles that governs the rights and duties between the government and a private party or between two parts or agencies of government.
 - 1.3 Health Information Systems are designed with the objective of generating information that will improve health care management decisions at all levels of the health system.
 - 1.4 Digital signatures and system audit logs of all user activity are methods of nonrepudiation.
 - 1.5 Parliament enacts statutes which govern the operation of the Namibian courts.
 - 1.6 The National Assembly has the power to make laws for Namibia.
 - 1.7 Interoperability means the inability of health information systems to work together within and across organizational boundaries in order to advance the effective delivery of healthcare for individuals and communities.
 - 1.8 Spyware is a malicious software that reproduces itself and spreads from computer to computer.
 - 1.9 Tort law can provide a way of punishing people who wrongfully injure others and can deter persons from acting in ways that may produce harm.
 - 1.10 Patient-driven interoperability is the exchange of data that occurs between two or more entities or organizations. computer systems and software applications.
 - 1.11 Supreme Court is the highest authority of legal matters in Namibia.
 - 1.12 Civil registration is an example of a population-based approach to data sources.
 - 1.13 Adware is malware that forces your browser to redirect to web advertisements, which often themselves seek to download further, even more malicious software.
 - 1.14 Healthcare data privacy entails a set of rules and regulations to ensure unauthorized individuals and organizations see patient data and medical information.
 - 1.15 Patient Charter recognises and protects the integrity and dignity of patients and clients.

SECTION B: SHORT ANSWER QUESTIONS**[35 MARKS]****QUESTION 2****(35)**

2.1 Define the following concepts as used in Health Information Systems Management:

- 2.1.1 Medical Ethics (3)
- 2.1.2 Health (3)
- 2.1.3 Fragmentation (2)
- 2.1.4 Cyber Warfare (3)
- 2.1.5 Information Security (3)
- 2.1.6 Ethical Dilemma (3)
- 2.1.7 Data Quality (3)
- 2.1.8 Human Right (1)

2.2 Differentiate between the following terminologies as used in Health Information Management:

- 2.2.1 System and Information systems (2)
- 2.2.2 Common Law and International Law (2)
- 2.2.3 Regulation and Regulatory body (2)
- 2.2.4 Situational ethics and Secular ethics (2)
- 2.2.5 Technical interoperability and Semantic interoperability (4)
- 2.2.6 Software Piracy and Cyber squatting (2)

SECTION C: SEMI- STRUCTURED ANSWER QUESTIONS**[20 MARKS]****QUESTION 3****(20)**

3.1 Health systems are all activities with a primary purpose to promote, restore or maintain health.

- 3.1.1 Enumerate four (4) overall health system goals/outcomes according to the World Health Organization (WHO) Framework. (4)

- 3.1.2 Discuss the six (6) Health System Building blocks using the World Health Organization functional model in figure 1 below. (12)

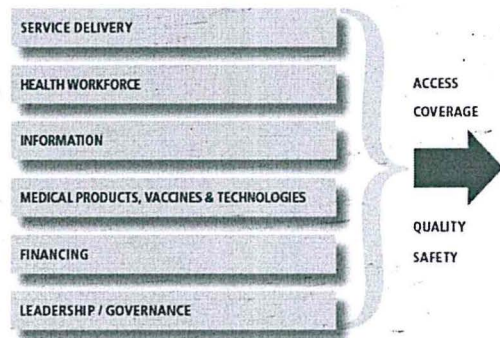


Figure 1 World Health Organization functional model

- 3.1.3 Describe any four (4) challenges currently faced by Namibian Health systems (4)

SECTION D: STRUCTURED ANSWER QUESTIONS [30 MARKS]

QUESTION 4 (30)

4 You are appointed as a Health Programme Officer (HPO) at Erongo Regional Health Directorate. Respond to the following questions from a group of first year Health Information Systems Management (HISM) students.

- 4.1 Specify the terminology Information. (2)
- 4.2 List the six (6) components of a Health Information System (6)
- 4.3 Discuss any three (3) components mentioned in question 4.1 (9)
- 4.4 Describe any three (3) revolutionary drivers for digitalized Health Information Systems (3)
- 4.5 Explain five (5) main tools to maintain security and privacy of personal health information (10)

END OF EXAMINATION QUESTION PAPER