GIET UNIVERSITY, GUNUPUR – 765022

B. Sc. (Nursing) (Second Semester) Examinations, March'2024

HNIT 145 - Health /Nursing Informatics & Technology

Time: 2 hrs   Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART – A: (Multiple Choice Questions)   **(8 x 1=8 Marks)**

Q. 1 Answer **ALL** questions

a. According to American Nurses Association (ANA), nursing informatics is a specialty that integrates 3 fields of science. These are:
   - (i) Health, computer and environment
   - (ii) Nursing, health and technology
   - (iii) Nursing, computer and information
   - (iv) Data, knowledge and information

b. Nurses use passwords and pin codes for their respective computers during their duties at their respective wards. This is:
   - (i) Confidentiality
   - (ii) Security
   - (iii) Precaution
   - (iv) Privacy

c. What is data analysis in nursing practice ?
   - (i) to analyse patient data
   - (ii) to assess patient information
   - (iii) to communicate with patients
   - (iv) to automate nursing tasks

d. Which of the following is a benefit using knowledge in health care
   - (i) improved patient safety
   - (ii) increased healthcare costs
   - (iii) decreased healthcare outcomes
   - (iv) all the above

e. How many stages are there in EMRAM model ?
   - (i) 5
   - (ii) 6
   - (iii) 7
   - (iv) 8

f. Which of the following is a benefit of standardizes languages in healthcare
   - (i) Standardized nursing terminologies
   - (ii) Clinical decision support systems
   - (iii) Electronic health record platforms
   - (iv) Medical devices used in patient care

g. Which of the following is not a component of healthcare data analysis
   - (i) Descriptive analysis
   - (ii) Inferential analysis
   - (iii) Predictive analysis
   - (iv) Retrospective analysis

h. It is a permanent type of memory storage used by the computer for important data that do not change.
   - (i) Random-access memory (RAM)
   - (ii) Read-only memory (ROM)
   - (iii) Cashing
   - (iv) Virtual memory

PART – B: (Very Short Answer Questions)   **(6 x 2=12 Marks)**

Q.2. Answer **ANY SIX** questions

   a. Ethical considerations.
   b. Quality improvement in nursing informatics.
   c. Education & Training in Nursing Informatics.
   d. What is Privacy & Confidentiality?
   e. Medical Errors.

f. What is resource optimization?

g. Online support groups .

PART – C: (Short Answer Questions) (4 x 5=20 Marks)

Q.3. Answer **ANY FOUR** questions

a. How can shared care improve patient outcomes and experiences?

b. What are some of the benefits and challenges of using digital health tools in nursing practice?

c. Evidence based practice.

d. Analyse the role of tele -health in nursing practice.

e. Describe the role of nurses in public health informatics and how it can improve its outcomes?

f. Impact of eHealth on patients.

PART – D: (Long Answer Questions) (10 x 1=10 Marks)

Answer *THE FOLLOWING* question

		Marks
4.a.	Define health informative system.	2
b.	Explain the role of nursing administration in using computers in health care delivery and how it can improve patient outcome?	8

(OR)

| c. | Define hospital information system. | 2 |
| d. | What is the role of information systems in modern health care environment? | 8 |

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