



Port-Said University
Faculty of Nursing
Nursing Administration Department



Academic year: 2021/2022	Undergraduate Exam (Credit hour)
Information technology	final Exam / second year
Total marks: 25	Date: 12/1/2022
Time allowed: 2 hours	Examiners: Dr. Ghada Elghabbour

Question No. (1): Read the following statements carefully and put the letter “T” if the statement is true and the letter “F” if the statement is false (5 Marks)		
1	Accurate, timely and accessible health care data play a vital role in the planning, development, and maintenance of health information system.	
2	Hybrid record consisting of both electronic and paper documentation.	
3	Electronic medical record increase costs through decreased paperwork, improved safety.	
4	Health care information should be capable of promoting excellent clinical care.	
5	Health information technology decrease administrative efficiencies and healthcare work processes.	
6	EMR increase duplications of testing, and improved health.	
7	A smart (safe and green) hospital reduces damage to the hospital infrastructure and equipment as well as the surrounding environment.	
8	Accessibility: Data should yield the same results on repeated collection, processing, storing and display of information.	
9	Reliability of data/ information should be consistent, and information generated is understandable	
10	Data: is a meaningful collection of data organized with reference to a context (time, other facilities, denominators).	
11	Nurses can respond within a minute if technology is in a well working condition.	
12	Healthcare information systems is expected to save money in the long run.	
13	Security rule defines how patient information used and disclosed.	
14	A smart hospital increased greenhouse gas emissions.	
15	Getting reimbursement is a major barrier for telenursing.	
16	Remote patient monitoring is increasing the cost of chronic disease and assists in post-discharge care as well.	
17	Information: when information is analyzed, communicated, and acted upon, it becomes knowledge.	
18	E-prescribing software is a beneficial technology as it enables doctors to generate prescriptions electronically.	
19	One of the advantages of using e-prescribing software allows medical providers to send prescriptions directly to pharmacies, without the risk of getting misplaced.	



20	Electronic Medical Record decrease efficiency by eliminating paperwork and giving immediate access to patients' data.	
----	---	--

Question No. (2): (5 marks): Choose the correct answer:

1	Paper-based record management systems have been theand primary method of storing business records.	
	a. Advanced method	b. Traditional method
2	Which of the following is NOT considered part of the definition of nursing informatics?	
	a. Information science	b. Computer science
	c. Social science	d. Nursing science
3 improves the quality of patient care as the same information is shared across all departments, avoiding any medical errors.	
	a. Hybrid record	b. Electronic health record
	c. Paper-based record	d. All of the above
4	Which among the following is not benefits of telehealth?	
	a. Opportunity for extra income	b. Risk for infections
	c. Open access to patients	d. Secure and private
5give attractive option for hospitals to avoid huge costs.	
	a. Hybrid record	b. Electronic health record
	c. Paper-based record	d. All of the above
6	Urgent care applications provide medical help.....	
	a. 6/7 hours a day.	b. 18/7 hours a day.
	c. 12/7 hours a day.	d. 24/7 hours a day.
7	The benefits of SMART hospital are.....	
	a. Improve patient care	b. Help to avoid harmful faults
	c. Reduce operating costs	d. All of the above
8	Which among the following is not potential opportunities that lie in HIS?	
	a. Cost Savings	b. Discontinuity
	c. Reduction in Medical Errors	d. Improve the quality of healthcare
9filter information to assist healthcare professionals in caring for individual clients.	
	a. Remote patient monitoring	b. Clinical Decision Support
	c. Electronic Medical Record	d. E-prescribing software
10	Electronic Medical Recordduplications of testing, and improved health.	
	a. Increase	b. Decrease



Question No. (3): Complete by the appropriate term: (5 marks):

No	<u>appropriate term</u>	Definition
1		a system that provides specific information support to the decision-making process at each level of an organization”.
2		is the proper performance of interventions that are known to be safe, affordable to the society, and have the ability to produce an impact on morbidity, mortality, disability and malnutrition.
3		referring to the extension of communication over a distance, this term covers all forms of distance and/or conversion of the original communications,
4		is a beneficial technology as it enables doctors to generate prescriptions electronically.
5		is the use of electronic information and telecommunication technology to get the health care you need while practicing social distancing.
6		Is a branch of computer science, and involves developing computer programs to complete tasks which would otherwise require human intellect.
7		is a square or rectangular image consisting of a series of parallel black lines and white spaces of varying width that can be read by scanner.
8		is the study of the structure, function, and inheritance of the genome (entire set of genetic material) of an organism.
9		is a medical model that proposes the customization of healthcare, with medical decisions, treatments, practices, or products being tailored to a subgroup of patients, instead of a one-drug-fits-all model.
10		is a type of automated machine that can execute specific tasks with little or no human intervention and with speed and precision.



Question No. (4): Match each term from column (A) with its corresponding term from column B (5 marks):

No.	A	Answer	B
1	Digital hospital		A. The World Health Organization (WHO) defined as healing from a distance.
2	Tele-health		B. Is the delivery, management, and coordination of care and services provided via telecommunications technology within the domain of nursing.
3	Privacy		C. as a concept is a key enabler in driving clinical excellence, patient-centric care and operational efficiency.
4	Nursing Informatics		D. is defined as the use of electronic information and telecommunication technologies to support long-distance clinical health care, patient and professional health related education, and public health.
5	Telemedicine		E. refers to protection of an individual's health care data.
6	Telematics		F. a specialty that integrates nursing science, computer science, and information science to manage and communicate data, information, knowledge, and wisdom in nursing practice”
7	Remote Patient Monitoring		G. The software of this healthcare information system connects patient records to more than one database.
8	Urgent care application		H. is the electronic transfer of complex data from one place to another
9	Master Patient Index		I. provides medical sensors that can transmit patient data to healthcare professionals
10	Telenursing		J. is a type of health management information system that keeps track of patients that might require immediate attention.



**Port-Said University
Faculty of Nursing
Nursing Administration Department**



Question No. (5): Complete the mean of abbreviation (5 marks):

NO	List of abbreviation	The mean of abbreviation
1	HIT	
2	NI	
3	EHR	
4	CPOE	
5	CDS	
6	eMAR	
7	HMIS	
8	HIS	
9	HIPAA	
10	LIS	

Good Luck

Dr. Ghada Elghabbour