



Academic year: 2020/2021	Information technology
Second level \ 1st Term	Final exam - total marks 25 mark
Time allowed: 2 hours	Examiner: Dr. Mohamed El-sehrawy
Date 9 /3/2021	

Question No. (1): (5 marks): Choose the correct answer:

1.	Many patients are becoming more informed about, and more empowered to make healthcare decisions due to rising education and literacy levels through			
	a.	Increased internet access	b.	Growing use of digital devices.
	c.	Nursing informatics	d.	A&B
2.	They are responsible for identifying and fixing IT problems.			
	a.	Help Desk Analyst	b.	Medical Software Technician
	c.	Application Support Specialist	d.	Medical Records Analyst
3.	Telemedicine used by all healthcare professionals for exchange of valid information for			
	a.	Diagnosis of diseases and injuries	b.	Research and evaluation.
	c.	Treatment and prevention of diseases and injuries	d.	All the above
4.	Having control over intimate aspects of personal identity is the definition of			
	a.	Decisional privacy	b.	Informational privacy
	c.	personal property	d.	Privacy
5.	Software that protects a network's resources from intrusion by users on another network such as internet is considered			
	a.	Firewall	b.	Spyware Detection Software



	c.	Antivirus Software	d.	All the above
6.	Information that has been synthesized so that interrelationships are identified and formalized.			
	a.	Knowledge	b.	Patient information
	c.	Data	d.	Output
7.	Shift from disease treatment to health management and Quest for clinical outcomes and quality are two items of			
	a.	Advantage of tele-nursing	b.	Benefits of computer based record
	c.	Trends driving smart hospital	d.	All the above
8.	Threats that arise from inappropriate access of patient data by either internal agents abusing their rights or external agents exploiting vulnerability of information systems.			
	a.	Organizational threat	b.	Management threat
	c.	Systemic threat	d.	All the above
9.	There are a number of requirements of the privacy rule that impact researchers' ability to obtain health information from a covered entity. Examples of data elements that must be removed as			
	a.	Patient Names	b.	Gender
	c.	Diagnosis	d.	Age
10.	Elements of health care information must include			
	a.	Science of type of care	b.	Process and systems for delivery of care



c.	A & B	d.	NO answer
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Question No. (2): (5 marks): Read the following statements and put (T) for true statement and (F) for false statement.

1.	Today the driving forces and changes in healthcare are coming thanks to information technology.	
2.	With having a proper local area network and internet facility, inter-organizational and intra-organizational communication is not possible.	
3.	Diagnostic and treatment errors are common in healthcare. So the need to adopt new technologies is to improve the quality of care, and improve treatment precision and dramatically decrease the probability of error.	
4.	Telenursing help nurses to Carry out all the activities that they are competent to perform in other healthcare settings.	
5.	Computer medical record is inclusive of a broader view of a patient's care. It's contain information from all the clinicians involved in a patient's care and all clinicians involved in a patient's care can access these information to provide suitable care to that patient.	
6.	Medical Records Clerk has tasks could include checking in patients, entering in and updating patient information, processing referrals.	
7.	The health information technology field requires specific skills certification such as clinical nursing coding certificate	
8.	You can regulate the energy consumption of the building; Improve the productivity of health personnel so that they can monitor the patient and control it	



	through smart hospital technologies.	
9.	Proper air movement can reduce the transmission of healthcare-acquired infections and can be an effective measure to promote patient safety and healing.	
10.	Good medical care generally means a good medical record, while an inadequate healthcare record may reflect poor medical care.	

QUESTION No. THREE "ESSAY";

ANSWER ALL THE FOWLLOING QUESTIONS

(15 mark FOR total, each question by 3 marks).

- 1- Identify Barriers to the adoption of healthcare technology?
- 2- Enumerate Advantage of health information systems?
- 3- List Smart hospital challenges and recommendation?
- 4- Compare between paper record and computer based patient record?
- 5- Explain the Principles of privacy?

Good Luck

Mohamed El Sehrawy