

Suez Canal University Faculty of Computers & Informatics Department of Information Systems



Midterm Exam

Second Term: 2022/2023

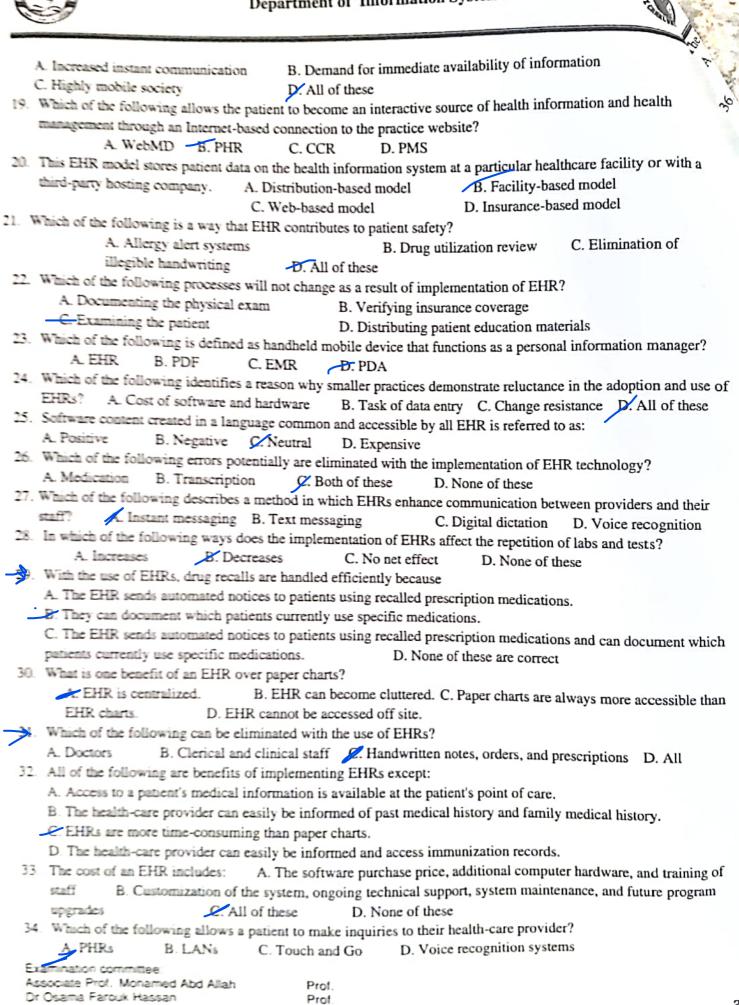
	Second Term. 2022/2020	
Program: Information systems	Course: E-Health	Course Code: IS463
Level: 4	Lecturer: Dr.M.Abdallah	Date: 4/4/2023
	Total marks: 20	Time allowed:3 Hour

An	swer the following questions:	(20 m	arks)
<u>Qu</u>	estion 1 (Select the correct answer)	A. True	B. False
1.	Medical care is considered as an environment that is unstructured.	A. True	B. False
2.	The social media can sense public health?.		-
3.	Unified Medical Language System, Links the major international terminologies in	A. True	B. False
4.	Interoperable health IT will improve individual patient care, but it will also bring r	A. True	B. False
	including early detection of infectious disease outbreaks around the country.		B. False
5.	II. tol. 1. 6 1 1 1. d. a - l. a computation	A. IIII	
6.	Health informatics tools include only computers. Healthcare quality and safety require that the right information be available at the	nght time to suppo	B. False
		2 4 4 4 4 4	
7.	Missing data is one of the largest challenges commonly addressed in clinical risk p	A Trave	B. False
	investigation FUD data	110	
8.	the proofing of maintenance and care of health reco	ords by traditional	and
	electronic means in hospitals, physician's office clinics, health departments, health i	A. True	B. False
	to the interest and other hear	Ith professionals w	ith decision
9.	What are interactive computer programs designed to assist physicians and other hear	n support systems	
	making tasks:	d. telemedici	ne
	c. computerized provider order entry		
10.	Which of the following is defined as the mobilization of healthcare information elec-	th information excl	hange
	within a region, community or hospital system? A. Health informatics	III IIII OLIIIIII CHO.	mile
		ation management	
11.	Which of the following information would not be included in a patient's EHR?	there are found in	the EHR
	A Allorring B Demographics C, Family history D, All Ot	these are found in	the Line
12.	Which of the following parties will have access to clinical data via the Internet and	these of Erik?	
	A Patients B Medical Personnel C. Third-party entities D. All of	tnese	
13.	Which of the following indicates the primary difference between EMR and EHR p	rograms:	ant available
	A EUR costs exceed that of EMR B. EHR presents a full range of higher-e	ina functionalities i	not available
	with EMR. C. EHR is compatible with both Microsoft and MacIntosh, EMI	R is not.	D. EHR is
	no different than EMR.		
14	Which of the following allows the patient access via the Internet to store and upda	te personal medica	Information
•	and ask questions about prescriptions, appointments, or other medical concerns?		
	A. WebMD B. PHR C. EMR D. HER		
15	Providers did not fully utilize EHR technology until recently because		
	A Lack of standards B. Unknown ROI C. Difficulty in operating EHR	D. All of th	ese
16	e pro it and improvements with the use of e-pre	scribing?	
	A. Cost B. Quality C. Patient safety D. All of these		
17	The acronym TPO refers to which of the following?		
•	A. Third Party Operator B. Treatment, P	ayment, or Operation	ons
	C. Treatment Provider Organization D. Third	d Party Organizatio	n
18	3. Which of the following describes factors of the twenty-first century that influence	ed the transition to	EHR?
	camination committee: ssociate Prof. Mohamed Abd Allah Prof.		
	r.Osama Farouk Hassan Prof.		





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HR allows patients to do all of the following except: chedule appointments access other patient records B. request medication refills PHR is an acronym for which term? D. access their lab or radiology results C. Personal Health Review A. Personnel Health Record B. Public Health Record 7. EMR is an abbreviation for which of the following? D. Personal Health Record B. Emergency Medical Record M. Electronic Medical Record D. Electronic Method of Recording C. Electronic Medical Resource 38. Which of the following is not a benefit of EHR? A. Little or no training necessary B. Enhanced access to clinical information C. Improved patient safety D. Decreased medical errors The nurse is considering attending a program that focuses on informatics. On which field will the curriculum most likely be based? (A) Clinical informatics B) Public health informatics D) Consumer health informatics C) Translational bioinformatics The nurse is preparing a white paper, explaining how informatics supports the use of data. Which example should the nurse include that demonstrates a structure for data use? C) Nursing process Nursing diagnosis A) Care plans B) Concept map At the end of a work shift, the nurse collects vital signs and intake and output measurements from nursing assistive personnel. What are these finding considered to be? D) Information B) Wisdom C) Knowledge A multisystem healthcare organization has many types of big data; What should be done with the data to 42. A) Supply metadata B) Implement discovery informatics C) Hire a business improve its use? D) Apply a knowledge management system intelligence practitioner 43. A healthcare organization is planning to use the PARIHS framework to implement evidenced-based practice. Which elements should the organization plan to have for a successful implementation? Select all that apply. D) All of them A) Context B) Evidence C) Facilitation 44. A healthcare organization is considering implementing an electronic health record system (EHRS). Which software should be included within this system? Select all that apply. B) Clinical decision support (CDS) A) Practitioner order entry (POE) D) All of them C) Electronic health record (EHR) database 45. Which of the following HL7 standards include specifications for an application programming interface (API)? D) HL7 FHIR A) HL7 Version 2.x B) HL7 Version 3 C) HL7 CDA All hospitals with an EHR should follow the principles of EHR governance. A formal, written EHR 46. governance plan is necessary for: A. Only large university hospitals that have large information technology staffs B. Hospitals that have a chief medical informatics officer who runs the EHR C. Hospitals that manage their EHRs, but not those who contract EHR services All hospitals of whatever size, leadership structure, or EHR designStandard to facilitate the exchange of information between healthcare information systems - these 47. specifically define the means to exchange data, not the content D.All C. C-CDA A. DICOM B. HL7 48. Which term should be used to explain the entry and retrieval of information at the point of care or wherever it is Smart technology B) Computerized order entry C) Bar needed by the healthcare professional? D) Monitoring systems coding systems 49. The informatics nurse is preparing a training sheet to be used in orientation. Which should the nurse describe as the protection of information against threats to its integrity, inadvertent disclosure, or availability? C) Confidentiality B) Survivability A) Information security 50. A healthcare facility has discovered that data from one patient's chart was placed in another patient's chart, causing both charts to have invalid data. Which information security area does this breach affect? D) Inadvertent disclosure C) Availability A) Survivability P) Integrity 51. The system that finds the optimal course of clinical action and answer "What if?" questions is called a(n) Examination committee: Associate Prof. Mohamed Abd Allah Prof. Dr.Osama Farouk Hassan Prof.

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	A. Dynamic support system 8. Clinical decision support system
	C. Expert systems D. Group decision support systems
52.	aims to build a community of users, researchers and suppliers, and to disseminate development tools and
	techniques for building healthcare applications that comply with the highest possible quality, safety and ethical
	standards, A.MYCN B. NCBI C. PDB B.openclinical.org
53.	Symbols> Concepts> Relationships>Rules>? A.Models B. Database
	C. datasets D. Diagnose
54.	The Challenges for handling clinical notes? A. Ungrammatical, short phrases B. Abbreviations
	C. Semi-structured information D.All of them
55.	A systematic population based approach to identify persons at risk, intervene with a specific program of care and
	measure clinical and other outcomes is called:
	A. Disease Management B. Nursing informatics C. PatientsLikeMe1 D.MYCN
56.	What is the definition of EHR? A. The time and place of care given to the patient from the health-care provider.
	B. A portable, handheld computer, with the ability to document directly on the screen with a stylus pen.
	C. Software capable of voice recognition systems to document patient health insurance information.
	D. Software with a full range of functionalities to store, access, and use patient medical information.
	Which of the following is a barrier to the implementation of EHR?
	A. Lack of standards B. E-prescribing options C. Identified ROI D. Increased patient safety
58	Why did health-care providers perceive EHR systems to lack safety?
	A. The electronic medical record could be altered without his or her knowledge.
	B. Because of possible power outages. C. Because of possible computer "crashes". D. All of these.
59.	One the following which is the most challenging aspect of Natural Language Processing?
	A. Tokenization B. Parts of Speech Tagging C. Dealing with ambiguity D. Parsing of a sentence
60.	Which of the following is one of the largest challenges commonly addressed in clinical risk prediction model
	studies involving EHR data?
	A. Evaluation metrics B. Informative presence C. Lead time bias Missing data

My best wishes.