IS 466 (Decision Support Systems) Midterm 1 V1 Student Tuesday Sept. 26, 2023 Fall 2022 - Prof. Abdulrahman Mirza Student Name 1. Which of the following creates a greater need for companies to use decision support systems? A) More companies using software as a service (SAAS) B) The much greater number of point-of-sale (POS) terminals C) Fast changing business requirements and growing competition D) Greater speed and availability of the Internet 2. In the decision making process, which of the following is NOT an activity of the A) Problem classification C) Setting criteria for choice B) Checking for alternatives D) Develop a model × 3. Which of the following is a type of decision in the decision support framework A Semi-structured C) group decision B) Ad hoc D) All of the above are true 4. A knowledge-base can be found in which of the following? (A) Expert system C) Chat bot B) Decision support system D) All of the options are true 5. An integrated system where the daily functional transactions are reflected C)ERP A) Expert system B) Social network D) None of the options are true 6. Which of the following is NOT a main features of a data warehouse? (A) Reflects daily transactions C) Collects data from different systems B) Holds select historical data D) enables forecasting and predictive analysis 7. Which of the following can be used for forecasting future events? A) Data warehousing C) Big data B) Data mining (D) All of the options are true ≫ 8. Which of the following is closely related to Business Intelligence?

A) Data warehousing

C) Executive information syst

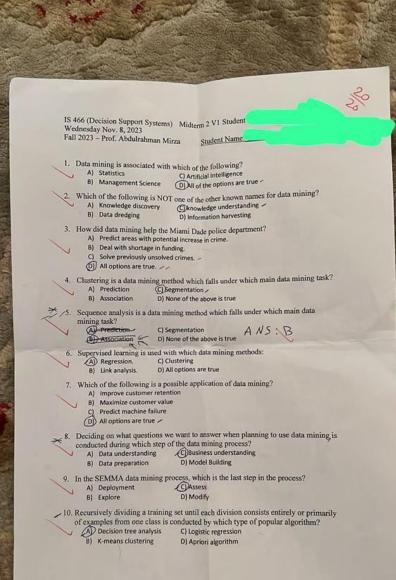
C) Executive information system

C) Execut C) Executive information systems B) Data mining > D) All of the options are true

(A) A sub-set of a data warehouse
B) A dedicated data-cleansing system (D) All of the options are true

9. What is a data mart?

	The state of the s
10. Prescriptive analytics is the only one t	hat is considered to help decision makers in
which of the following:	
A) Determine the expected future	C) Recommends action to take
B) Explains the current situation	D) All of the options are true
11. Artificial intelligence is about which o	Cthe fellowing:
A) Understanding human language	C) Reducing costs of performing work
B) Reducing efforts by humans	←D)All of the options are true
12. Which of the following is an example	
(A) Healthcare diagnosis B) Self-driving cars	C) Cybercrime fighting
b) Self-driving cars	D) All of the options are true
13. What is one of the main problems of ar	
A) It is uses mathematical modeling	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(8) Used data may not be accurate	D) All of the options are true
14. One of the main AI technologies is:	
A) Robotics	C) Intelligent agents
B) Voice recognition	(D) All of the options are true
The second second	
15. Which of the following is best known f	
A) Robotics	C)Intelligent agents
B) Natural language processing	D) All of the options are true
	opinion and approximate due
16 Which of the fellowing war 1 c	
16. Which of the following may be used fo	
Machine and computer vision	C) Video analytics D)All of the options are true
by Wildeline and compater vision	LoyAll of the options are true
V	
17. Natural language processing is mainly to	
A) Understanding written text	C) Generating voice responses
B) Understanding speech	(D) All of the options are true
18. A main type of AI system where extract	ted knowledge of people can be saved?
(A) Expert system	C) Computer vision
B) Deep learning	(D) All of the options are true
	0
19. A main advantage of using AI in Huma	Lineary and the second
A) Hiring the right persons	
B) Remote access to HR data	C) Easily applying for vacation days
ey manifestation to this data	D) All of the options are true
20. A main advantage of using AI in market	
A) Predictive pricing of products	C) Targeting ad to the right people
B) Improved search engine results	(D) All of the options are true
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_11. An a	algorithm which is used f	for market basket analysis is called:
	A) Decision tree analysis	C) roging regression
	3) K-means clustering	(Apriori algorithm
12. Whi	ch of the following is NO	OT a source(s) of data for data mining:
	Social networks data.	C) Company data bases.
		iles. (I) All options are important sources
13. Whe	n using the K-means clu	stering algorithm, what is the value of K?
A.	Depends on number of	clusters we would like to create.
		er of attributes that we use as inputs.
	 Depends on the graph (Always 5. 	we use: 2 or 3 dimensional.
	A CONTRACTOR	
		arming in a data mining model, supervised learning
	ves which of the followi Providing only output v	
		nd output values to the model.
	Providing only input val	
	None of the options is t	
15 Which	h data mining method is	s used to discover relationships between groups of
websi		sused to discover relationships our ween Broads or
FA	Link analysis.	C) Market-basket.
B)	Sequence analysis.	D) Time series.
16. In the	KDD data mining proce	ess the first phase is:
	Data Understanding	(C)Data Selection
B)	Data Cleaning	D) Data Transformation
17 Which	of the following is an	example of nominal data:
	High, middle, low.	
B)	A grade, B grade, C grad	le
9	0, 50, 100.	
(9)	Pen, pencil, marker.	
18 Which	of the following is use	d to measure the accuracy level of prediction method?
	Single split.	a to mean and accuracy fever of prediction incurous
B)		
(B)	Confusion matrix	
(D)	None of the options is to	rue.
10 to al.	la tast actionstics with	odology, what percent of the data is used for testing
the mo		odology, man percent of the data is used for testing
The state of the s		shout 30%.
360.0	About 25%. D) A	about 30%. Nout 70%.
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		ation methodology, what percent of the data is used as
	data in each run:	
training		
training A)	40%. (C)7	5%.
training A)		5%. %.
training A)	40%. (C)7	5%. %.