BIO543: Big Data Mining Healthcare

(20th February 2025, Quiz2)

Maximum Marks: 20 Name:			Duration: 20 Minutes Admission No:		
		ns: Attempt all questions, ea	ach question carry one mark. Please tick only one best option.		
1	Which	of the following is exemple	of functional apparation of protains?		
1.		•	of functional annotation of proteins?		
		Tertiary structure	c) Subcellular localization		
2	b) Secondary structure d) Antimicrobial peptides Which method can be used to predict subcellular localization of proteins?				
۷.		•	•		
		BetaTpred3	c) HSLpred		
2		AlgPred2	d) Pprint		
3.			ssible from the 20 natural residues?		
	-	8000	c) 800		
	b)	400	d) 4000		
4.	Which database maintain microarray or expression data?				
	a)	PDB	c) GEO		
	b)	GeneBank	d) UniProt		
5.	What will be Manhattan distance between point (2, 3, 4) and (5, 6, 7)?				
	a)	3	c) 6		
	b)	9	d) 12		
6.	Which of the following methods is not used to calculate word embeddings?				
	a)	Word2Vec	c) FastText		
	b)	GloVe	d) TF-IDF		
7.	7. What will percent dipeptide composition of "AC" in following sequence "GGACACE				
	a)	10	c) 30		
	b)	50	d) 70		
8.	If $TP = 8$, $TN = 8$, $FP = 4$ and $FN = 5$; what will be percent accuracy?				
	a)	8	c) 32		
	b)	60	d) 64		
9.	In unsupervised learning, points in a cluster have similarity with each other				
	a)	High	c) Equal		
	b)	Low	d) None		
10.	0. Protein sequence will come under which type of data				
	a)	Cross-section data	c) Sequential data		
	b)	Time series data	d) Longitudnal		
11.	11. Which of the following is a statistical method		cal method		
	a)	SVM	c) HMM		
	b)	KNN	d) None		
12.	What is range of activation function softsign?		n softsign?		
	a)	(-1, 1)	c) (0, 1)		
	b)	$(0, \infty)$	d) (-0.5, 0.5)		

13.	Which	ich of the following kernel is not used in SVM		
	a)	Linear	c) Exponential	
	b)	Polynomial	d) RBF	
14.	Which of the following is not a deep learning technique			
	a)	HMM	c) CNN	
	b)	LSTM	d) RNN	
15.	Who developed concept of relational database?			
	a)	Larry Page	c) Carlo Strozzi	
	b)	E. F. Codd	d. Doug Cutting	
16.	6. Which of the following is NOT a NoSQL database type?			
	a)	Document Store	c) Key-Value Store	
	b)	Relational Store	d) Graph Database	
17.	. What file format does MongoDB use to store data?			
	a)	CSV	c) BSON	
	b)	XML	d) YAML	
18.	. Which of the following is not part of MongoDB?			
	a)	_id field	c) ROW	
	b)	Field	d) Index	
19.	Which of the following allow to make SQL like queries?			
	a)	Pig	c) HBase	
	b)	Hive	d) MapReduce	
20.	allow command-line interface to transfer data between RDBMS and Hadoop			
	a)	YARN	c) Squop	
	b)	Oozie	d) Mahout	