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PSG COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS)

BCA DEGREE EXAMINATION MAY 2022

(Fourth Semester)

Branch - COMPUTER APPLICATIONS

DATA WAREHOUSING AND MINING

1 11116	e. Three riours	NET COMPANY			i: 75 Marks	
			(10 Marks)	2		
	ATT	Answer AL		en de la companya de Companya de la companya de la compa	(10 1 10	
			Ty EQUAL	marks	$(10 \times 1 = 10)$))
1	The Data Warehouse is					
	(i) read only	•	i) write onl	l y		
	(iii) read write only	(i	v) none			
2	The error is ex	xamined for	a specific pre	ediction to n	neasure the	
	accuracy.				tual in the	
	(i) Squared	(i	i) sequentia	al	e Produktora Pijero	
	(iii) random	(i	v) partition			
3	The important aspect of	f the data wa	rehouse envi	ronment is t	that data found	1.
	within the Data wareho	use is				
	(i) subject - oriented		i) time vari		· ·	
	(iii) integrated	(i	v) all of the	above		
4	The time horizon in Da	ta warehouse	is usually			
	(i) 1-2 years		i) 3-4 years	Marie Control of the		
	(iii) 5-6 years	(i	v) 5-10 year	S		
5	The data is stored, retrie	eved & updat	ed in			
	(i) OLAP	_) OLTP			-
	(iii) SMIP	(i	v) FIP			
6	Thedescribe	the data con	tained in the	data wareho	NICA	
	(i) Relational data	i i) Operation		Juse.	
	(iii) Metadata) Information			
7	The predicts	fiiture trend	s & hehaviou	ur allowing	huginaga	
	managers to make proac	tive, knowle	dge-driven d	n, anowing lecisions	Dusiness	
	(i) Data warehouse) Data mini			
	(iii) Data marts	,) Metadata	3		
3	The is the hear	t of the ware	house			
	(i) Data mining databa			varehouse d	atahase server	· ·
	(iii) Data mart database	servers		ional databa		S
)	What are closed itemsets					
,	(i) An itemset for which		e proper cup	er itemset h		+
	(ii) An itemset whose r	o proper sur	er-itemset h	as same sun	as same suppo nort	II
	(iii) An itemset for which	ch at least su	per-itemset h	ias same cor	port ifidence	
	(iv) An itemsetwhose no	proper supe	er-itemset ha	s same conf	idence	
.0					ormation from	.4
	the website.	orionmed by	canacing in	o usotul IIII(Jimanon Irom	
	(i) web usage mining	(ii)	web conte	nt mining		
	(iii) web text mining	(iv) all the abo			
					· ·	

SECTION - B (25 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 5 = 25)$

11 a Explain the OLAP operations with example.

OR

- b Draw the data warehousing architecture with examples.
- 12 a Define KDD and explain the concepts.

OR

- b Explain the need for preprocessing the data.
- 13 a Explain the various data mining functionalities with examples.

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- b Discuss about constraint based association mining.
- 14 a Analysis the statistical perspective of data mining with example.

OR

- b How can you evaluate the Neural Networks techniques in data mining? Explain.
- 15 a List out the categories of web mining. Explain any two.

OR

b Explain the incremental rules in association mining.

SECTION -C (40 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 8 = 40)$

16 a Explain the various schemas of multidimensional databases.

OR

- b Explain in detail about KDD process.
- 17 a Explain in detail about FP algorithms with examples.

OF

- b Discuss the concept of various methods used to solve the classification problem?
- 18 a Analysis the various issues of data mining.

OR

- b Explain the data mining metrics with example.
- 19 a Explain in detail about decision tree algorithm with examples.

OR

- b Explain the genetic algorithms with example.
- 20 a Summarise the concept of distributed algorithms with examples.

OR

b Examine the spatial clustering algorithm used in data mining.

END