TIME: 21/2 Hours	700		ŷ
N. B.: (1) All questions are compulsory		Total Marks: 75	
(2) Make sulfable accumptions			
(3) Answers to the same question (4) Numbers to the right indicate	must be written togeth	tate the assumptions made.	. 3
(4) Numbers to the <u>right</u> indicate	marks.	<u>u.</u>	
(5) Draw <u>neat labeled diagrams</u> (6) Use of <u>Non-programmable</u> ca	wherever <u>necessary</u> .		
		C. Fr. D.	
1. Attempt any three of the following:	3 76 7		
a. Define business intelligence? Explain b. What is decision support support	architecture of the busi	ness intelligence	15
aupport system (D)	SS)? What are the fact	profiles so	
			-
c. Describe the phases in the developme d Enumerate approaches to the		10,	50
Production me decision	-making near -	10.	
Explain main components of the main	「(c, z)」 「(c)」 (10 No.	
f What is system? Write the	components of a busines	s intelligence system	
f What is system? Write the role of a clo	sed cycle marketing sys	tem with feedback effects	
4	70, 34,	(a) (b)	7
Attemptiony three of the following:	(6)	N 3 0	
a. Explain the concept of mathematical m	odels according to their	Charmotonial Control 1	5
dimensio, temporal dimensio	1.	maracteristics,	
b. Describe different applications of Data	Mining Jor	70%	
Compare incomplete, noisy, or inconsist	ent data		
d. Enumerate basic data mining tasks in de	tails.		
e. Explain data cleansing? Why is data cleans. f. Differentiate between supervised.	nsing important for data	min 2-2	
f. Differentiate between supervised and uns	supervised learning.	Till (1987)	
	B. 7	9,	
3. Attempt any three of the following:		•	
a. Explain Taxonomy of classification mode	1. 200	15	
Explain the concept of k-means algorithm	for Clustering.		
Describe in details support vector machine	2		
. Write about different Taxonomies of cluster	ering methods		
Differentiate between Partitioning method	and Hierarchical	1	
Explain the concept of agglomerative and	livisive hierarchical met	I. hade	
	mot		

	4.	Attempt any three of the following:	15
	a.	What is relational marketing? Write motivations & objectives of relational marketing.	
	b.	Explain types of data feeding a data mart of relational marketing analysis.	
	c.	Describe the term Market Basket Analysis.	
	d.	Describe in details optimization models for logistics planning.	
	e.	What is supply Chain optimization? Explain in brief.	6
	f.	What is the role of cross efficiency analysis and virtual input and virtual output in	
		identification of good operating practices?	
			_
	5.	Attempt any three of the following:	15
	a.	Describe how AI and intelligent agents support knowledge management. Relate XML to	Ž
		knowledge management and knowledge portals.	
	b.	Define 1. Data 2. Information 3. Knowledge	^
	c.	Describe knowledge management activities in details.	163
	d.	Describe in details the Process and Practice Approaches to Knowledge Management	
	્ર િ	Compare and contrast between Artificial Intelligence versus Natural Intelligence	
ئے.	Ĵf.	Write different areas of expert systems.	
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