TYIT SEM - VI 2314/24

Paper / Subject Code: 88703 / Business Intellitgence

| TIME: 2½ Hours | TON S | the 2th; | Total Marks: 75 |
|--|---|-------------------|--------------------|
| N. B.: (1) All questions are compulsor (2) Make suitable assumptions (3) Answers to the same question (4) Numbers to the right indicate (5) Draw neat labeled diagrams (6) Use of Non-programmable | wherever necessary on must be written to e marks. | and state the as | The The |
| 1. Attempt any three of the following | g: SO | 7/6, 72 | y |
| a. Define business intelligence? Expla | in architecture of th | e business intell | igence |
| b. What is decision support system (success of a DSS. | DSS)? What are th | ne factors that a | fect the degree of |
| c. Describe the phases in the developm | tent of a decision su | ipport systems (I | oss). A |
| d Enumerate approaches to the decision | on-making process. | or OL | 120, 770, |
| e Explain main components of the ma | in components of a | business intellig | ence system |
| What is system? Write the role of a Attempt any three of the following | closed cycle market | ing system with | feedback effects |
| | 10 N | 10 | 15 |
| and the concept of mathematical | models according t | o their character | istics, |
| probabilistic nature, temporal dimens | , ma, 7 | Ja 26 | . SV |
| Describe different applications of Da | | F. 1877. | 700 |
| Compare incomplete, noisy, or incon | | *+50 · | 70, |
| . Enumerate basic data mining tasks in | | 50 | G. T. |
| Explain data cleansing? Why is data | cleansing important | for data mining? | • |
| Differentiate between supervised and | unsupervised learn | ing. | |
| 200 TR. 704 | 100, T/R | 20, | |
| Attempt any three of the following: | Z, 20, | 182 | 15 |
| Explain Taxonomy of classification m | | ST. | |
| Explain the concept of k-means algori | thm for Clustering. | w ^r | |
| Describe in details support vector mac | hines | | |
| Write about different Taxonomies of c | lustering methods. | | |
| Differentiate between Partitioning met | | al.method | |
| Explain the concept of agglomerative | and divisive hierard | hical methods | |
| TOP OUR TINK | OF | mear memous. | |
| TOTAL STATE OF THE | - | | |

4. Attempt any three of the following: 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. f. What is the role of cross efficiency analysis and virtual input and virtual output in

5. Attempt any three of the following:

- a. Describe how AI and intelligent agents support knowledge management. Relate XML to knowledge management and knowledge portals.
- b. Define 1. Data 2. Information 3. Knowledge

identification of good operating practices?

- c. Describe knowledge management activities in details.
- d. Describe in details the Process and Practice Approaches to Knowledge Management
- e. Compare and contrast between Artificial Intelligence versus Natural Intelligence
- f. Write different areas of expert systems.

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