

Reg. No:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)B.Tech III Year II Semester Supplementary Examinations February-2022
DATA WAREHOUSING AND DATA MINING
(Common to CSE & CSIT)

Time: 3 hours

Max. Marks: 60

PART-A

(Answer all the Questions 5 x 2 = 10 Marks)

- | | | |
|---|---|----|
| 1 | a Define Data normalization. | 2M |
| | b What is Data Warehousing? | 2M |
| | c What is Association rule mining? | 2M |
| | d What is Regression? | 2M |
| | e Write down some typical applications of clustering. | 2M |

PART-B

(Answer all Five Units 5 x 10 = 50 Marks)

UNIT-I

- | | | |
|---|---|----|
| 2 | a Define Data mining. Explain about data mining on what kind of data. | 5M |
| | b Compare Data Warehousing and Data Mining. | 5M |

OR

- | | | |
|---|--|----|
| 3 | a What is Data Reduction? Discuss in brief. | 5M |
| | b Determine the concept hierarchy generation for categorical data. | 5M |

UNIT-II

- | | | |
|---|--|-----|
| 4 | Explain about the Three-tier data warehouse architecture with a neat diagram | 10M |
|---|--|-----|

OR

- | | | |
|---|--|----|
| 5 | a How are concept hierarchies useful in OLAP? Explain. | 5M |
| | b Explain in brief about ROLAP, MOLAP and HOLAP servers. | 5M |

UNIT-III

- | | | |
|---|--|-----|
| 6 | Explain Multilevel Association rules and Multidimensional association rules for mining data. | 10M |
|---|--|-----|

OR

- | | | |
|---|---|-----|
| 7 | Explain about Apriori Algorithm with an example | 10M |
|---|---|-----|

UNIT-IV

- | | | |
|---|---|-----|
| 8 | Discuss about Rule based Classification method. | 10M |
|---|---|-----|

OR

- | | | |
|---|--|-----|
| 9 | Evaluate the Classification process of back propagation model with an example. | 10M |
|---|--|-----|

UNIT-V

- | | | |
|----|---|-----|
| 10 | Discuss in detail about Partitioning methods in clustering with examples. | 10M |
|----|---|-----|

OR

- | | | |
|----|---|-----|
| 11 | What is clustering analysis? Explain different types of data in clustering with an example. | 10M |
|----|---|-----|

END