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Code No: 118GM

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, May - 2017
PREDICTIVE ANALYTICS
(Common to CSE, IT)

Time: 3 hours   Max. Marks: 75

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

1.a) Why Data Analytics is required? [2]
 b) Write about Missing imputation. [3]
 c) What is meant by Pruning? [2]
 d) Write any two differences between Regression vs segmentation. [3]
 e) What is meant by Tree building? [2]
 f) How competences will be enhanced? [3]
 g) What is Arima model where it is used? Describe about STL approach. [2]
 h) Write briefly Arima. [3]
 i) What is meant by knowledge sharing? [2]
 h) What is meant by white papers? [3]

PART - B

(50 Marks)

2.a) Explain the factors need for Business modeling.
 b) Write about Data Modeling Techniques. [5+5]

OR

3.a) What is regression and explain various regression concepts
 b) Write about the Variable Rationalization. [5+5]

4. Write in detail about
 a) Supervised vs Un-supervised learning with suitable example
 b) Model Fit Statistics [5+5]

OR

5.a) Write about Over fitting concept with suitable example.
 b) Explain about Multiple decision Trees. [5+5]

6.a) What is classification explain with example?
 b) What is Pruning and complexity explain them in detail? [5+5]

OR

7.a) Explain in detail about Training and development.
 b) Explain about policies and Record keeping. [5+5]

8. Describe the various measures to be taken for Forecast accuracy using suitable example. [10]

OR

9. Describe how features are extracted from generated model and analyzed for prediction using suitable example. [10]

10.a) How do you define purpose and scope of documents in detail?
   b) Explain in detail about articles and Technical report writing. [5+5]

OR

11.a) What is intellectual property and copyright and explain in detail?
   b) Write about accessing and updating corporate knowledge base in detail. [5+5]

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