[10]

[10]

## Code No: 126UA

10.

11.

## JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, December - 2018 INTRODUCTION TO 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)** What are the challenges in analysis of data? 1.a) [2] b) Justify R has a data analytics software. [3] List the types of variables available in R. c) [2] Define effective communication skills. d) [3] What is R connector? e) [2] Give the uses of NOSQL databases. f) [3] How correlation is used for data analysis? g) [2] Expand ANOVA and list its unique features [3] h) What type of data analysis is feasible for automating department activities? i) [2] Name different business problems related to various businesses. i) [3] PART - B **(50 Marks)** 2.a) Explain R data frames with example. Write a R program for matrix multiplication. b) [5+5]What are the looping structures available in R? 3.a) How to you find outliers in R? b) [5+5]4. What is summarization of data? Explain different types of summarization in R. [10] OR 5. Give an account on probability distribution and its computation in R. [10] 6. Write a R program to illustrate database connectivity. [10] 7. Write about stored procedures in NOSQL. Explain with examples. [10] Explain regression analysis. Give example. 8. [10] OR Justify the importance of correlation for prediction. 9.a) Explain OLS regression. b) [5+5]

OR

Compare and contrast the manufacturing and production activities data analysis with

Write short note on understanding engineering design and manufacturing.

respect to technique. manaresults.co.in