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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SCHOOL OF MANAGEMENT**

**MIDTERM EXAMINATION**

**Even Semester:** 2018-19

**Course Code:** MGT 403

**Course Name:** BUSINESS FORECASTING WITH R

**Programme & Sem:** MBA IV

**Date:** 19 February 2019

**Time:** 2 Hours

**Max Marks:** 40

**Weightage:** 20%

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**Instructions:**

(i)

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**Part A**

Answer **all** the Questions. **Each** question carries **2** marks. (1x10=10)

1. Create two vectors "p" and "q"; "p" with 10 even numbers and "q" with 10 odd numbers and find the following
  - a) Maximum value in vector "p"
  - b) Minimum value in vector "q"
  - c) Sum and product of vector "p"
  - d) Variance in vector "q"
  - e) Length of vector "p" and "q"

**Part B**

Answer **all** the Questions. **Each** question carries 10 marks. (2 x 10=20)

2. Create matrix "x" with value 1 to 9 and find the transpose of the matrix "x"
3. Create data frame to describe 4 bus routes to reach Presidency University , with distance and time.

**Part C**

Answer the Questions. **Each** question carries **10** marks. (1x10=10)

4. Create a user defined function with two arguments to add two numbers and found the sum of (500,500) and (300,400)





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**PRESIDENCY UNIVERSITY  
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**SCHOOL OF MANAGEMENT**

**END TERM FINAL EXAMINATION**

**Even Semester:** 2018-19

**Course Code:** MGT 403

**Course Name:** Business Forecasting with R

**Programme & Sem:** MBA & IV Sem

**Date:** 18 March 2019

**Time:** 3 Hours

**Max Marks:** 80

**Weightage:** 40%

**Instructions:**

- (i) *Based on industry data provided on processed food, Information technology, Tourism and Metal answer to section A,B &C*

**Part A**

Answer **both** the Questions. **Each** question carries **ten** marks.

(2Qx10M=20)

1. Explain the Data cleaning Process adopted for the study
2. Estimate the data using R codes and results

**Part B**

Answer **all** the Questions. **Each** question carries **ten** marks.

(4Qx10M=40)

- 3 Detail the Industry under study
- 4 Detail data summarization and identify forecasting measures
- 5 Explain the time series trend based on data
- 6 Explain the dependent and independent variables in the study and interpret the results

**Part C**

Answer the Question. Question carries **twenty** marks.

(1Qx20M=20)

7. Find the industry projections for 2020 and 2030 and explain

