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GIET UNIVERSITY, GUNUPUR – 765022

M. Tech (First Semester – Regular) Examinations, June – 2021

MPECS 1041 – DATA SCIENCE

(C.S.E)

Time: 2 hrs

Maximum: 50 Marks

The figures in the right hand margin indicate marks.

PART – A

(2 x 10 = 20 Marks)

Q1. Answer **ALL** questions

- Define datafication
- List out the kinds of data.
- Explore the Basic elements of an API
- ” Several factors have fueled the rise of big data”, Justify the statement.
- Differentiate Predictive Analytics with Text Analytics
- State Bayes rule
- What do you meant by Node-Link Diagram?
- Define Visualization.
- Explore the need of data science in internet search.
- Draw the sample dashboard for students attendance notification.

PART – B

(6 x 5 = 30 Marks)

Answer ANY FIVE questions

Marks

- Demonstrate data science process with neat sketch (6)
- What do you mean by data cleaning? Examine how the missed values are handled in data cleaning process (6)
- Illustrate the activities that should be carried out on identifying Potential Data Sources (6)
- Explore the idea of central limit theorem calculate the probability of wining while rolling the 6-sided die for x times. (6)
- Explain the types of Data Visualization in detail. (6)
- Consider the healthcare as one of the application of data science. Explore any 4 Data Science Use Cases in Healthcare (6)
- With an suitable example, explain how R Programming can be used in data science. (6)

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