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**IV.B.TECH- I-SEM (R20)-I MID EXAMINATIONS-AUGUST-2023 Date: 28/08/2023**

**Subject: Data Analytics Time: 10:00 TO 11:30 AM**

**Branch: IT Marks: 25 M**

***Answer All Questions In Part-A& Part-B***

**PART-A** **5\*2=10 M**

**BTL CO**

1. Define data analytics and types? 1 1
2. Explain about data quality? 2 1
3. What is nominal variable? Give example. 1 2
4. Differentiate between SQL and NOSQL database? 4 2
5. What is the purpose of sigmoid function? 1 3

**PART-B** **5\*3=15 M**

**BTL CO**

1. How data can be collected from various sources? Explain 1 1

**(Or)**

7. Explain data architecture and data preprocessing? 2 1

8. Write a note on various types of variables in data analytics? 1 2

**(Or)**

9. Explain Brief about data analytics tools 2 2

1. Microsoft excel

2. R

3. PYTHON

10. Explain in detail about logistic regression? 2 3

**(Or)**

11. Define regression and its types? 1 3

**SCHEME OF EVALUATION**

**Part –A**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **1** | Define data analytics and types? | **2** | **2** |
| **2** | Explain about data quality? | **2** | **2** |
| **3** | What is nominal variable? Give example. | **2** | **2** |
| **4** | Differentiate between SQL and NOSQL database? | **2** | **2** |
| **5** | What is the purpose of sigmoid function? | **2** | **2** |

**Part –B**

| **SNO** | **THEORY** | **MARKS** | **TOTAL** |
| --- | --- | --- | --- |
| **6** | How data can be collected from various sources? Explain.  **(OR)** | **5** | **5** |
| **7** | Explain data architecture and data preprocessing? | **5** |  |
| **8** | Write a note on various types of variables in data analytics?  **(OR)** | **5** | **5** |
| **9** | Explain Brief about data analytics tools  1. Microsoft excel  2. R  3. PYTHON | **5** |  |
| **10** | Explain in detail about logistic regression?  **(OR)** | **5** | **5** |
| **11** | Define regression and its types? | **5** |  |