| Student Name:<br>University Roll No.: | Printed Pages: 1 |
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**School of Engineering**
**First Theory Sessional Examination**
**Odd Semester (AS: 2024-25)**

B. Tech: CSE (IOTBC) [Year: 3] [Semester : 5]

Course Title: Predictive Analytics Max Marks: 30
Course Code: ITBC3501 Time: 1*hr.*

*Instructions: 1-Mention any assumptions made.*
*2-Notations have usual meaning.*

| | SECTION 'A'<br>**Q. No. 1: Attempt all parts of the following:** | Course Objective | Marks |
|---|---|---|---|
| a) | What is Data Analytics? | CO1 | 1 |
| b) | Write full form of EDA. | CO1 | 1 |
| c) | Write any two use cases of predictive analytics. | CO1 | 1 |
| d) | Write full form of SPSS. | CO2 | 1 |
| e) | What is CLEM? | CO2 | 1 |
| | **SECTION 'B'**<br>**Q. No. 2: Attempt any two parts of the following:** | **Course Objective** | **Marks** |
| a) | What is the need of predictive analytics? Explain in detail. | CO1 | 7.5 |
| b) | What is data? Explain the types of data in detail. | CO1 | 7.5 |
| c) | Explain the concept of data analysis in detail. | CO2 | 7.5 |
| | **SECTION 'C'**<br>**Q. No. 3: Attempt any one parts of the following:** | **Course Objective** | **Marks** |
| a) | What do you mean by predictive analytics? Explain the types of data analytics in detail. | CO1 | 10 |
| b) | How predictive analytics transforming data into future insights? Explain in detail. | CO1 | 10 |
| c) | Explain the following terms in brief:<br>1) CLEM expression.<br>2) Role of relationship between two fields.<br>3) Identifying modeling objectives | CO2 | 10 |

*Table 1: Mapping between COs and questions*

| COs | Questions Numbers | Total Marks |
|---|---|---|
| CO1 | 1a), 1b), 1c), 2a),2b), 3a), 3b) | 38 |
| CO2 | 1d),1e), 2c), 3c) | 19.5 |

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