B.TECT-III-SEM-1 MID EXAMINATIONS-II

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PRINCIPLES OF PROGAMING LANGUAGE

**Note:** Question paper contains two parts, Part-A and Part- B. Part-A is compulsory which carries 10 marks.

Answer all questions in part-A.

Answer anyone full question from each unit. Each question carries5 marks.

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|  | **PART-A** | **5X2M=10M** |
|  |  | **BTL** |
|  | 1. Explain about co routines. | **4** |
|  | 2. Why does Java not have destructors? | **4** |
|  | 3. Explain about the enumerated data type.  4. What are the characteristics of subprograms?  5. What are the applications of logic programming? | **4**  **3**  **5** |
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|  | **PART-B** | **4X5M=20M** |
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6. Discuss about the basic elements of Prolog with examples. 4

7. Write about the operations that can be performed on atoms and lists in LISP. 3

8 .Explain about the fundamentals of functional programming languages. 5

1. What is meant by logic programming? Explain different types of applications 5

of logic programming.

10. What are the data types supported in Python? Discuss. 4

11. Explain about the data abstraction for SIMULA 67. 4

**Scheme of Evaluation (PartA&PartB)**

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| **PART-A** | |
| 1. Explain about co routines. | 2 |
| 1. Why does Java not have destructors? | 2 |
| 1. Explain about the enumerated data type.. | 2 |
| 1. What are the characteristics of subprograms? | 2 |
| 1. What are the applications of logic programming?. | 2 |
| **PART-B** | |
| 1. A. Discuss about the basic elements of Prolog   B. with examples examples | 3  2 |
| 1. Write about the operations that can be performed on atoms and lists in LISP | 5 |
| 1. Explain about the fundamentals of functional programming languages. | 5 |
| 1. A. What is meant by logic programming? 2. Explain different types of applications of logic programming | 2  3 |
| 1. What are the data types supported in Python? Discuss. | 5 |
| 1. Explain about the data abstraction for SIMULA 67 | 5 |