Code No: 124DJ

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech II Year II Semester Examinations, July/August - 2021
PRINCIPLES OF PROGRAMMING LANGUAGES
(Information Technology)

Time: 3 hours Max. Marks: 75

Answer any five questions
All questions carry equal marks

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1. Explain about formal methods of describing syntax.   [15]

2. Mention and explain about various control structures with a suitable example for each.
                                                                                       [15]

3.a) Explain about design issues of subprograms.
  b) Explain about scope and lifetime of variable.   [9+6]

4. Explain about Java threads with a suitable example.   [15]

5.a) Write short notes on LISP.
  b) Distinguish between procedural and data abstraction giving examples.   [7+8]

6. Mention and explain about programming paradigms.   [15]

7. Explain: a) type checking and b) type compatibility with an example each.   [7+8]

8. Explain about parameter passing methods with an example.   [15]

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