

AG AG AG AG AG AG AG A

Code No: 137GA

R16

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B: Tech IV Year-I Semester Examinations, October/November -2020

AG AG PRINCIPLES OF PROGRAMMING LANGUAGES AG AG A
(Computer Science and Engineering)

Time: 2 Hours

Max. Marks: 75

Answer any Five Questions
All Questions Carry Equal Marks

- AG 1.a) What are language design trade-offs? AG AG AG AG A
b) Summarize various programming environments. [7+8]
- 2.a) Write a brief note on Evolution of Major Programming Languages.
b) What are attributed grammars? Give a brief note. [8+7]
3. Explain the following Data types: Record, Tuple and List. [15]
- AG 4. Explain about selection and iterative statements. AG AG [15] A
5. Explain about generic subprograms and co routines. [15]
6. Write about implementation of subprograms with stack-dynamic local variables. [15]
- AG 7. Explain how semaphores can be used to implement concurrency. [15] A
- 8.a) Write about fundamentals of functional programming language.
b) What are basic elements of prolog? [8+7]

--ooOoo--

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A

AG AG AG AG AG AG AG A