

F 3535

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Reg. No.....

Name.....

B.TECH. DEGREE EXAMINATION, NOVEMBER 2014

Eighth Semester

Branch : Computer Science and Engineering

PRINCIPLES OF PROGRAMMING LANGUAGES (R)

(Old Scheme—Prior to 2010 Admissions)

[Supplementary/Mercy Chance]

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 4 marks.

1. Explain virtual computers.
2. Explain language design issues.
3. Write a note on data types.
4. Write a note on type checking.
5. What are abstract data types ?
6. Explain encapsulation.
7. What is polymorphism ?
8. What is inheritance ?
9. Explain the need of parallel programming.
10. Explain how hardware development affects programming.



(10 × 4 = 40 marks)

Part B

Answer all questions.

Each question carries 12 marks.

11. Explain the role of programming languages.
- Or*
12. Explain various language paradigms with examples.
 13. Explain implementation of data types and data structure types.

Or

14. Write note on : (i) Type conversion. (ii) Assignment and initialization.

Turn over

15. Explain implicit and explicit sequence control with example.

Or

16. Explain sequencing with arithmetic expressions and sequence control between statements.

17. Explain attributes of data control.

Or

18. Explain shared data in subprograms.

19. Explain exception handling in JAVA with example.

Or

20. Explain architecture of a software.

(5 × 12 = 60 marks)

