

MAY 2011

P/ID 17405/RBE

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Give a note on Type declaration.
Or
(b) State the Rules in Real Expressions.
2. (a) Explain the DIMENSION Statement with an example.
Or
(b) Explain Logical Expressions.
3. (a) Describe Interactive method.
Or
(b) Explain the method of successive bisection.
4. (a) Explain Gaussian-Jordan Elimination.
Or
(b) Write about linear equations.
5. (a) Describe Numerical differentiation.
Or
(b) Give a note on Simpson's Rule.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Discuss about list directed and formatted I/O.
 7. Illustrate Arithmetic and logical IF Statements.
 8. Illustrate Function subprograms and subroutines with example programs.
 9. Explain SECANT METHOD with an example.
 10. Describe GRAEFFE'S Root-SQUARING METHOD.
 11. Describe Gaussian elimination.
 12. Explain Polynomial equations.
 13. Give a summary on Euler Methods.
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