

(6 pages)

Reg. No. :

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Sub. Code : RNCS 4 A/
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U.G. (CBCS) DEGREE EXAMINATION, APRIL 2013.

Fourth Semester

Computer Science

Non-Major Elective — BASIC PROGRAMMING
DESIGN

(For those who joined in July 2008)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Step by step explanation to solve any problem is called
(a) Algorithm (b) Program
(c) Code (d) Solver.
2. The _____ specifies the operation to be performed.
(a) Mnemonic (b) Opcode
(c) Operand (d) Command.

3. Symbol used for flow chart direction and to connect the various flowchart symbols
(a) VDU (b) Document
(c) Arrow (d) Circle.
4. The first character of a variable name must be _____.
(a) A number (b) A symbol
(c) An alphabet (d) A dot.
5. Which symbol is used to show an operation (or step, in a flowchart)?
(a) Rectangle (b) Oval
(c) Diamond (d) Document
6. A set of instructions repeated again and again until a condition is satisfied
(a) Loop (b) Switch
(c) IF condition (d) Repetition.
7. _____ are not allowed to be used as subscripts.
(a) Constants (b) Numbers
(c) Strings (d) Variables.



8. Subscripts must be enclosed within
(a) Brackets (b) Parenthesis
(c) Quotes (d) Lines.
9. The ability to search for a record in a file depends on the file
(a) Length (b) Organization
(c) Type (d) Content.
10. Statement used to place a record in a file
(a) OPEN (b) READ
(c) WRITE (d) CLOSE.

PART B — ($5 \times 5 = 25$ marks)

Answer ALL the questions, choosing either (a) or (b).

11. (a) What are the steps used to solve a problem using a computer?
Or
(b) Write note on :
(i) Fifth generation language
(ii) Selection of programming languages.

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12. (a) Draw a flow chart to print the smallest of two numbers.

Or

- (b) Draw a flowchart to find the area of a triangle.
13. (a) Draw a flowchart to find out the maximum of given 400 numbers.

Or

- (b) Draw a flowchart to find 1's complement of a binary number.
14. (a) Draw a flowchart to find the tallest student in your class.

Or

- (b) Write a note on the dimension of an array.
15. (a) Discuss the types of data files.

Or

- (b) Explain addition of matrix with an example.

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[P.T.O.]

