

24. (a) Describe the basic concepts and the importance of subscripted variables.

Or

- (b) Draw a flowchart to list the odd numbers and even numbers separately from the given one dimensional array.

25. (a) Explain the file Organization methods.

Or

- (b) Write an algorithm to subtract two given matrices using flowcharts.

Reg. No :

Code No. : 10751

Sub. Code : NCS 4 AR/
NCA 4 AR/ NSE 4 AR/
BNCS 4 A/ BNCA 4 A/
BNSE 4 A

U.G. (CBCS) DEGREE EXAMINATION, APRIL 2013.

Fourth Semester

Computer Science

Non Major Elective – BASIC PROGRAMMING
DESIGN

(For those who joined in July 2009 to 2011)

Time : Three hours

Maximum : 75 marks

SECTION A — (20 × 2 = 40 marks)

Answer ALL questions.

1. What is Flowchart?
2. What is Algorithm?
3. Write an algorithm to multiply two given numbers.
4. What is Debugging?



5. List any four symbols used in flowcharts.
6. Give the advantages of flow charts.
7. What is variables? Give examples.
8. What is the use of constants?
9. Draw a flowchart to calculate the following series
 $S = 1 \times 2 \times 3 \times 4 \times \dots \times n$.
10. Draw a flowchart to find the biggest of given two numbers.
11. How is repetition illustrated in flow chart?
12. What do you mean by Program? Illustrate its uses.
13. What are local variables?
14. What is the use of Subscripted Variables?
15. What is the use of an array?
16. Write a statement to declare an array of 500 numbers.
17. Give an example for multi dimensional arrays.
18. Define multi dimensional array.

19. What are the types of data files?
20. What do you mean by file processing?

SECTION B — (5 × 7 = 35 marks)

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

21. (a) Explain about selection of Programming languages.

Or

- (b) Write about Program Writing and Debugging.

22. (a) Explain the concepts of flow charts with its advantages.

Or

- (b) Explain the kinds of flowcharts with examples.

23. (a) Draw a flowchart to print the fibonacci numbers.

Or

- (b) Draw a flowchart to print the numbers which are divisible by 7 between 100 and 999.

