



DJ-1824

First Year B. C. A. (Sem. I) Examination
September / October – 2007
Computer Programming &
Programming Methodology

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांश निशानवाणी विगतो उत्तरवडी पर अवश्य कर्तवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination : **F. Y. B. C. A. (Sem. 1)**

Name of the Subject : **Computer Programming & Programming Methodology**

Subject Code No. : **1 8 2 4** Section No. (1, 2,....): **Nil**

Seat No. :

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Student's Signature

(2) Q. 1 is compulsory.

- 1 (a) What do you mean by Source Program ? 10
- (b) Give any two Mathematical Functions.
- (c) Is dim compulsory ? Justify.
- (d) Give the output
- ```
Let C = 10
Let C = C + 1
Let S = 0
Read a
If a = -1 then 10
Let S = S + 1
goto 2
Print C,S
Data 30, 40, 50, 60, 70, -1
10 end
```
- (e) What is the use of locate ?

(f) State the types of error

Read a, b\$, c

:

Data "123", 12, 45

(g) How to store data in memory ?

(h) How , differs from ; in Print statement ?

(i) Give the use of debugging.

(j) Can we change the control variable values inside a loop ?

2 Any three :

15

(a) Give the rules for framing variables with proper examples.

(b) Write a note on operators and types of operators.

(c) Compare input and read data statement.

(d) Write the algorithm for finding the average age of all players in the cricket team.

3 (a) Write short note on string functions :

15

(b) Find output or errors :

1. For x = 1 to 10

For y = 2 to 5 step 2

z = x + y

z1 = z \* 2

next x

next y

2. Write the basic expression :

(a)  $(s-t+c)^2 = b^3 + \sqrt{2x+C}$

(b) Netpay = hours worked times

hourly rate less tax

(c) Write a program to compute and print

$N^3, N^2, N^4, \sqrt[3]{N}, \sqrt{N}, \log N$ , for N varying

from 1 to 100.

OR

(c) Write about Print and Print Using statements.

- 4 (a) Write a note on nested loops. 15
- (b) Discuss how an expression is evaluated.
- (c) Write a program to find the inner product of two vectors A and B each having 10 elements.
- 5 (a) Write about Mathematical Functions. 15
- (b) Write the ways by which infinite loops can be broken.
- (c) Write about double subscripted variable.