



H-1804

First Year B. C. A. (Sem. I) Examination

March / April – 2009

Computer Programming &
Programming Methodology

Busi
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Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशक निशानोंवाली विषयों के उत्तरपत्र पर अवश्य भरवा।
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 0 4 Section No. (1, 2,.....) : NIL

Seat No. : [] [] [] [] [] [] [] []

Student's Signature

(2) Question 1 is compulsory.

- 1 (i) What is an interpreter?
- (ii) How to store value in a variable?
- (iii) Give an example of relational expression.
- (iv) How many start and stop can be drawn in a flow chart?
- (v) DATA is compulsory with what ?
- (vi) Write the basic expression
 $m = nr^2 + ps$
- (vii) Define On-Goto
- (viii) Find Error
20 GOTO 20
20 GOTO 50
- (ix) Can we store name and number in the same array..
- (x) Give an example of unary operator.

2 (a) Write an algorithm to print 1,4,9,16,25.....

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(b) Write about Input statements.

OR

- 2 (a) Write an algorithm to calculate average of 10 students age. 5
(b) Write about IF-ENDIF, IF-ELSE-ENDIF. 5
(c) Distinguish between arithmetic expression and relational expression. 4
- 3 (i) Any two: 10
(a) Write a program to print whether a number is palindrome or not.
(b) Compare and contrast compiler and interpreter.
(c) Distinguish
(i) Val 0, Shr \$ 0
(ii) PRINT, LPRINT
- (ii) Any three: 6
(a) Give one mathematical function, explain with example.
(b) Convert into basic expression
 $A = \pi r + 2\pi rh$
$$Sl = \sqrt{S(S-A)(S-B)(S-C)}$$

(c) Define syntax error, give example.
(d) Explain ON-GOTO.
- 4 Any three: 15
(a) Why we need arrays? Explain in detail.
(b) Explain Read-Data-Restore.
(c) Explain arithmetic operator and order of evaluation.
(d) Write a program to print the largest number from an array.
- 5 Any three: 15
(a) Compare and contrast While and For.
(b) Compare:
LEFT\$, RIGHT\$ (), MID\$ () with examples.
(c) Write on bugs. How to solve bugs.
(d) Discuss on PRINT USING.