



R-1824
First Year B.C.A. (Sem. I) Examination
March / April – 2007
Computer Programming &
Programming Methodology

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशिक निशानोंवाली विंगते उत्तरवही पर अवश्य क्यकी.
Fillup strictly the details of signs on your answer book.

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

Name of the Subject :
Computer Programming & Programming Methodology

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

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

Student's Signature

(2) Q.1 is compulsory.

- 1 (a) Give an example of logical expression. 10
(b) Can we give subscript negative.
(c) State the order of operation of arithmetic operators.
(d) List the functions that convert number to string.
(e) Distinguish fixed and varioable loop.
(f) What is the symbol \circ stands for ?
(g) Give the output print tab (5); "#"; Tab (10); "Bye";
(h) Give an example of unconditional jumping.
(i) In what way Do - while differs from while - wend.
(j) Give an example of logical error.

- 2 Any three : 15
(a) Write a note on bags and types of bugs.
(b) Write a note on variables; give examples.
(c) Compare and contrast Assembly Level Language and High Level Coungage.

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[Contd...

(d) Write the BASIC notation

(1) $p^i + 2m^2r$

(2) $\frac{1}{x^2} \left(\frac{a}{15}\right)^a$

(3) $\psi * 5!$

(4) $-3.9 P^2 10^{-6}$

(5) $K^{2.5m}$

- 3 (a) Distinguish various looping techniques in BASIC. 6
(b) Identify errors : 4
(1) 20 goto 20
(2) 200 IF J > K and K > J then 40
(3) 200 IF J > K goto 50
(4) 40 For A = 1,10.
(c) Write short notes on logical operators, how and where it is used. 5

OR

- (c) What is sorting, explain how elements in array sorted. 5
- 4 Any three : 15
(a) Write a program to input a name and output the corresponding ASCII values of it.
(b) Find error :
(1) IF $K^{**2} > 2$ and < 5 then 60
(2) For X = -1 to 10 step - 1
(3) DIMA (x), C (6,5,3), Z (6-2)
(c) Give the use of Restore, Data, Let statements of the above statements are compulsory.
(d) Discuss the various levels of languages with respect to generations.

- 5 (a) Define the following relations of the variables or statements to For Loop :
(1) Control variable
(2) Initial, Final Value
(3) Step
(4) body of the loop.