



MF-3704

First Year B. C. A. (Sem - I) (CBCS) Examination
October/November – 2013
Computer Programming And Programming
Methodology : Paper - 104

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशविक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	0 0 4 1 5 4
F. Y. B. C. A. (SEM. - 1) (CBCS)	V. H. Patel Student's Signature
Name of the Subject :	
COM. PRO. AND PROGRAMMING METHODOLOGY-104	
Subject Code No. : 3 7 0 4	Section No. (1, 2,.....) : Nil

- (2) All questions are compulsory.
- (3) Figures to the right indicate full marks.
- (4) Mention your options clearly.

1 Answer in short : (any ten) 10

- (i) What is source program?
- (ii) What do you mean by self replacement technique?
- (iii) Explain LOCATE statement.
- (iv) Give the full form of BASIC.
- (v) What is the goal of program testing?
- (vi) Define term Algorithm.
- (vii) What is the range of values of Data type Long INTEGER?
- (viii) Explain the function of the PRINT using statement.
- (ix) List all the Logical and Relational operators.
- (x) Give the use of select ... case.
- (xi) What is Subscript? Can we give subscript negative?
- (xii) Write a basic statement for the following:
Dimension an Array A of 100 Cells
- (xiii) What is use of REDIM?

2 Answer in detail : (any three) 15

- (a) Explain structured programming with an example.
- (b) What are the constants and the variables in BASIC?
Describe types of Variables and Constants.

MF-3704]

1

[Contd....

- (c) Define expression. Explain the types of expression.
- (d) Write a short note on ON_____GOTO. Also compare it with GOTO statement.
- (e) Define flowchart. Explain the importance of flowchart. Also describe various symbols of Flowchart.
- 3 Answer the following questions : (any three) 15
- (a) Explain INPUT and PRINT statement.
- (b) Explain about READ_____DATA and RESTORE.
- (c) What is branching ? Explain IF-ELSE in detail.
- (d) Differentiate between DO_____WHILE and WHILE_____WEND loop.
- (e) Explain any five string functions with an example.
- 4 (a) Explain two dimension array with an example. 6
- OR
- (a) Explain sorting with example. 6
- (b) What is error ? Explain different types of errors in BASIC. 6
- (c) Write the Algorithm and Draw Flowchart to check Palindrome of the given number. 6
- OR
- (c) Write the algorithm and draw flowchart to print the Fibonacci Series 6
- 5 (a) Write the Basic notation for the following 4
- (i) $X = 3pq + r^3 / (q+r)^2$
- (ii) Square Root of (a) + b
- (b) Find the error (if any), otherwise give output. 4
- (i) LET A\$ = "5"
B\$="7"
C\$ = A\$+B\$
PRINT C\$
- (ii) K=2
FOR P=1 TO 10 STEP K
PRINT P
K=K+2
NEXT P
- (c) Differentiate between following : (any two) 4
- (i) STOP and END
- (ii) Compiler and Interpreter
- (iii) Backward jumping and forward jumping.