



JA-3704

First Year B. C. A. (Sem. I) (CBCS) Examination  
March/April - 2013

Computer Programming & Programming Methodology  
(Old & New Course)

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशवक - निशानीवाणी विगतो उत्तरवही पर अवश्य लक्षणी. Fillup strictly the details of signs on your answer book.	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Examination : F. Y. B. C. A. (SEM. 1) (CBCS)	Student's Signature
Name of the Subject : COMP. PROG. & PROG. METHODOLOGY (OLD & NEW COURSE)	
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="4"/> Section No. (1,2,.....) : <input type="text" value="Nil"/>	

- (2) Figure on right indicate marks.  
(3) Do not interchange option.

1 Answer the following : (any ten) 10

- (i) What is the use of LET statement ?
- (ii) Give size and range of integer datatype.
- (iii) Which operator is used for string concatenation.
- (iv) What is the difference between ; and , used with INPUT statement.
- (v) What is the use of LOCATE statement ?
- (vi) What is the use of REM statement ?
- (vii) Can we give negative subscript ? Give reason.
- (viii) What do you mean by syntax error ?
- (ix) What is logical expression ?
- (x) What is the meaning of word 'Testing' ?
- (xi) What is the function of GOTO ?
- (xii) What is the use of SGN() function ?

2 (a) Differentiate the following : (any two) 4

- (i) Compiler Vs Interpreter
- (ii) Algorithm Vs Flowchart
- (iii) Variable Vs Constant

- (b) Consider the following code. Give error (if any) otherwise give output. 4
- (i) 10 A = 73.6625  
20 B = 7.35  
30 D = 7869.663  
40 PRINT USING "# ## #", A, B  
50 PRINT USING "+# ## #", D
- (ii) X = 1  
Y = 1  
IF  $\circ > 0$  THEN X = x+1  
Y = x+1  
PRINT X, Y
- (c) Explain about different types of operators. 7
- OR
- (c) Explain SELECT...CASE statement with example. 7
- 3 Explain in detail following questions : 15
- (a) Explain structure programming with example.
- OR
- (a) Explain different data types available in QBASIC.  
(b) Explain FOR LOOP in QBASIC.
- OR
- (b) Explain PRINT and PRINT using statement  
(c) Explain about types of Errors in QBASIC.
- 4 (a) Write an algorithm and draw flowchart to print given number in reverse order. 5
- OR
- (a) Write an algorithm and draw flow chart to print sum of digits of given number. 5  
(b) Explain about READ...DATA. Also explain RESTORE. 5
- OR
- (b) Explain sorting with example. 5  
(c) Differentiate between for LOOP and while.LOOP 5

5 Answer the following : (any three)

15

(i) Write short note on jumping statement.

(ii) Explain the following with example

(a) DATE\$

(b) EXP

(c) MID\$

(d) UCASES\$

(e) LTRIM\$()

(iii) Explain single scripted variable with example.

(iv) Explain about IF.....ELSEIF.