

KA-3704

First Year B.C.A. (Sem. I) (CBCS) Examination September / October - 2012

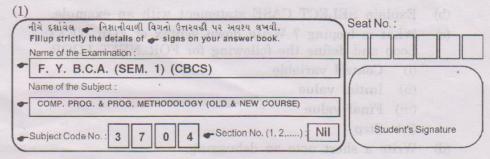
Computer Programming & Programming Methodology

(Old & New Course)

Time: Hours

[Total Marks:

Instructions:



- (2) Figures on right indicate marks.
- (3) Do not interchange option
- 1 Answer the following in short:

10

- (i) How can we convert a number to a string?
- (ii) What is computer program ?
- (iii) What is the range of values for BASIC variables that is declared of the data type LONG?
- (iv) What do you mean by self replacement technique.
- (v) Write LET statement for

$$\sqrt{(Y^2 + (3AB))/2}$$

- (vi) Write different ways of writing comments on BASIC program.
- (vii) Can we change the value of control variable in FOR LOOP?
- (viii) Give difference between forward and backward jumping.
- (ix) Write the purpose of ABS () and SGN () function.
- (x) What is syntax error? Give an example.

	(a)	Different levels of programming language.
	(b)	Arithmetic operator and order Evaluation.
	(c)	Read, Data and Restore
	(d)	Benefits and limitations of drawing flowchart. Also draw flowchart to find whether a given number is odd and even.
3	Atte	mpt any three:
	(a)	Write a note on various methods to store a value in variable.
	(b)	Explain SELECT CASE statement with an example.
	(c)	What is looping? Write down syntax of FORNEXT Loop and define the following for FORNEXT LOOP
		(i) Control variable (2000) (1 Mag) AOA MA
		(ii) Initial value
		(iii) Final value
		(iv) Step
	(d)	Write a short note on debugging.
4	(a)	Find out any error (if any) other wise give output for 5 following code.
		(i) PRINT SQR (As (("delight"))
		(ii) PRINT SGN (LEN("MOUSE") - LEN ("COMPUTER")) (iii) A = 4.6
		PRINT LEN (A) (iv) PRINT LEFT\$ ("WINTER", 3)
		+ RIGHT\$ ("SHADOWS", 4)
		(v) A = 10 Write LET statement for (v)
		B = 20 PRINT STR\$ (A) + STR\$ (B)
	(b)	What do you mean by double subscripted variable? 4 Discuss in detail.
		I at aldered control of control variable in I
	(b)	What is sorting? Explain with example. 5
	(c)	Differentiate (any two)
		(i) Compiler and Interpreter
		(ii) STOP and End
		(iii) ASC () and CHR\$ ()

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[Contd.....

Explain the following any three:

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- (a) Write a program to display all odd numbers between two limits.
- (b) Write a program to find ROOTS of Quadratic Equation
- (c) Write a program to calculate the value of Fibonacci sequences for n term.
- (d) Write a program to display whether M by N matrix is an identity matrix or not.
- (e) Write a program to find addition of all positive and negative numbers from list of N numbers.