



RA-3702

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

March / April - 2017

104 : Computer Programming & Programming Methodology

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे इशारेवले निशानीवाणी विगना उतरवयती पर अवश्य वचवी. Fillup strictly the details of signs on your answer book.	Seat No :
Name of the Examination :	<input type="text"/>
F. Y. B. C. A. (SEM. 1)	<input type="text"/>
Name of the Subject :	<input type="text"/>
104 : COMPUTER PROGRA. & PROGRA. METHO.	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="0"/> <input type="text" value="2"/>	Section No. (1, 2,....) : <input type="text" value="Nil"/>
Student's Signature	

- (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

- (1) What is Flow chart?
- (2) Explain in brief interpreter.
- (3) What is variable?
- (4) Explain ?: conditional operator.
- (5) What is nested loop?
- (6) What is use of abs(), and sqrt() function.
- (7) What is use of void main() in C program?
- (8) How to write comment line in C?
- (9) Explain #include preprocessor directives.
- (10) What is multi dimensional array?
- (11) Explain getchar() function in detail.
- (12) What is Debugging?
- (13) Explain Keyword.

- 2 Explain Following Questions in Detail : (Any Three) 18
- (1) Explain algorithm in detail.
 - (2) Explain Structured programming.
 - (3) Explain storage class.
 - (4) Write a short note on data type of C.
 - (5) Explain constant in detail with example.
- 3 Answer the following questions : (Any Three) 18
- (1) What is operator? Explain any three types of operator.
 - (2) Explain if statement in detail with example.
 - (3) What is loop? Why it is required? Explain for loop in detail with example.
 - (4) Explain break and continue statement.
 - (5) Define Array. Explain one dimensional array in detail with example.
- 4 Attempt the following questions : (Any Three) 18
- (1) Write a short note on types of error.
 - (2) Differentiate :
 - (1) While loop and Do while loop
 - (2) ++a and a++ (Pre and Post increment operator)
 - (3) Write a short note on basic structure of C program.
 - (4) Explain printf() and scanf() in detail.
 - (5) Explain string function in detail.
- 5 Attempt Any one : 6
- (1) Write an algorithm and draw flowchart to find the factorial of the given number.
 - (2) Write an algorithm and draw flowchart to find maximum element from one dimensional array of size 10.
 - (3) Write a program to accept string and then check whether the inputted string is palindrome or not.