April 2015

खगोल - 024

0302

COMPUTER SCIENCE PAPER - II : CS - 112
'C' Programming - I
(11246)

P. Pages : 2

Time : Two Hours

Max. Marks : 40

Instructions to Candidates :
1. Do not write anything on question paper except Seat No.
2. Graph or diagram should be drawn with the black ink pen being used for writing paper or black HB pencil.
3. Students should note, no supplement will be provided.
4. All questions are compulsory.
5. Figure to the right indicate full marks.

1. Attempt **any eight.**   8

   a) Which are the data types in C?
   b) Write the structure of C program.
   c) What is array?
   d) Explain in brief goto statement.
   e) Enlist relational operators.
   f) what is the meaning of ++i and i++?
   g) The C programming language consist of _____ number of keywords.
      a) 34.   b) 32.
      c) 36.   d) 28.
   h) Programming in C introduced by _____.
      a) Bill Gates.   b) Lee.
      c) Dennis Ritchie.   d) Peter.
   i) The escape character can be used to begin a new line in C_____.
      a) \n   b) \b
      c) \m   d) \e
   j) The operator : is used for _____.
      a) Bitwise AND.   b) Logical AND.
      c) Logical OR.   d) Bitwise OR.

2. Attempt **any four.** 8

     a) Write the format of scanf( ) function.
     b) Explain in short break statement.
     c) Write any four features of C.
     d) Discuss constant.
     e) Explain if statement.
     f) What is identifier?

3. Attempt **any two.** 8

     a) Write a program in C to print Fibonacci series.
     b) Write a program in C to input four digit no. and find its sym.
        e.g. 3435 = 3 + 4 + 3 + 5 = 15.
     c) Explain the precedence and order of evaluation.

4. a) Attempt **any two.** 6

     a) What are the rules for valid variable names?
     b) Discuss symbolic constant.
     c) Explain bitwise AND operator. Give suitable example.

    b) Attempt compulsory question. 2

     a) Differentiate between do _____ while and while statement.

5. Attempt **any one.**

   a) i) write a program in C to compute the following series. 8

$$x = \frac{1}{2} + \frac{2}{4} + \frac{3}{7} + \frac{4}{11} \text{\_\_\_\_\_} \text{ up to n terms.}$$

     ii) Write a program in C to input η elements no. and print it in ascending order.

<div align="center">

OR

</div>

   b) i) Explain # define and # include with suitable example.
     ii) Explain two dimensional array with suitable example.

<div align="center">

****

</div>