



**AC-3795**  
**First Year B. C. A. (Sem. II) Examination**  
**April / May - 2015**  
**Programming Language - I**  
**(Old Course)**

Time : Hours]

[Total Marks : 50

**Instruction :**

<p>नीचे दशांशवैव निशानीवाणी विगतो कितारवती पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>FIRST YEAR B. C. A. (SEM. 2)</b></p> <p>Name of the Subject : <b>PROGRAMMING LANGUAGE - I (OLD)</b></p> <p>Subject Code No. : <b>3</b> <b>7</b> <b>9</b> <b>5</b> Section No. (1, 2,.....) : <b>Nil</b></p>	<p>Seat No. : <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table></p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; margin-top: 10px; display: flex; align-items: center; justify-content: center; padding: 10px;">Student's Signature</div>						

- 1 Answer in short : (any seven) 14
- (a) What do you mean by implicit and explicit type of conversion?
  - (b) List tokens available in C.
  - (c) What is difference between variable and constant?
  - (d) What do you mean by preprocessor directives?
  - (e) How to write comment in C? What its purpose?
  - (f) What is string? How to declare string in C?
  - (g) What is pointer? What is use of \* operator?
  - (h) What do you mean by compiler and interpreter?
- 2 (a) Explain formatted I/O functions with proper example. 7
- (b) Write a program to sort given array. 7
- OR**
- (b) Explain various data types available in C. 7
- 3 (a) Explain types of Loop available in C. 7
- (b) Write a program to check given number is Armstrong number or not. 7

**OR**

- 3 (a) Explain array of structure with proper example. 7  
(b) What is array? Explain in detail. 7
- 4 Answer in detail: (any two) 14  
(a) Explain Union with proper example. What is difference between structure and Union? 7  
(b) Explain mathematical functions with proper example. 7  
(c) Explain storage classes. 7
- 5 Answer in detail: (any two) 14  
(a) Write a program to print following pattern: 7
- ```
      *
     * *
    * * *
   * * * *
```
- (b) Explain string functions with example. 7  
(c) Write a program to print Fibonacci series. 7
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