

Roll No.: 178230007

Total No. of Questions : 6] [Total No. of Printed Pages : 4

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**B.E. III Semester (CGPA) CSE
Examination 2018**

**PRINCIPLES OF PROGRAMMING
LANGUAGE**

Paper - CS-303

Time Allowed : Three Hours] [Maximum Marks : 60

Note : Attempt all questions. Question No. 1 is compulsory internal choices are mentioned with questions.

Q.1. Explain the following terms. $4 \times 3 = 12$

- Parameter passing methods
- PERFORM in COBOL
- Break and Continue
- Data Abstraction

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(2)

Q.2. a) Explain the various applications of programming languages. 5

b) What are the different factor that influence the evolution of programming languages? 5

OR

c) Explain L and R values with examples. 5

d) Define Syntax and Semantics. 5

Q.3. a) Differentiate between while and do- while statement with suitable example. 5

b) Define actual parameters and formal parameters. 5

OR

c) Discuss Array with its design issues.. 5

d) Write a program to calculate factorial of given number. 5

Q.4. a) Explain object oriented programming with their characteristics? 5

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Contd...

(3)

- b) Discuss concept of inheritance in C++. 5

OR

- c) What do you mean by Aliasing and overloading? 5
- d) Explain protected versus private member access mode. 5

- Q.5. a) Explain the use of PICTURE clause in COBOL. 5

- b) Describe the different types of Arithmetic Verbs in COBOL. 4

OR

- c) What are the features of a sequential file? 5
- d) Write a COBOL program for multiplying two numbers? 4

- Q.6. a) What are the features of prolog languages? 5

- b) How to write a "Hello world" programme in LISP? 4

OR

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(4)

- c) Describe the type of programming problems for which LISP it well suited. 5

- d) Write a program in PROLOG to find the largest of three given integer. 4



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