

**B.Tech. – VIEP – COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)**

00213

Term-End Examination

June, 2018

**BICS-015 : PRINCIPLES OF PROGRAMMING
LANGUAGES**

Time : 3 hours

Maximum Marks : 70

*Note : Attempt any **seven** questions. All questions carry equal marks.*

1. (a) What are the applications of Programming Languages ? 5
- (b) What are language evaluation criteria ? 5

2. (a) Distinguish between primitive and character string types. 5
- (b) Explain control structures. 5

3. (a) Explain selection statements and iterative statements. 5
- (b) What is an array ? Explain with the help of an example. 5

4. (a) Explain if and switch statements. 5
(b) Explain looping with the help of an example. 5
5. (a) Explain PROLOG. 5
(b) What are I/O statements in PROLOG ? 5
6. (a) What is macro expansion in LISP ? 5
(b) Explain LISP programming. 5
7. (a) Explain various types of classes in C++. 5
(b) What are various access modifiers ? 5
8. (a) What is meant by multiple inheritance ?
Explain with the help of an example. 5
(b) Explain inheritance in C++ and Java. 5
9. (a) What are arithmetic statements in
COBOL ? 5
(b) What are data types in COBOL ? 5
10. (a) Explain the type of file organizations in
COBOL. 5
(b) Discuss LISP, ADA and COBOL. 5