



NOVEMBER/DECEMBER 2018

**BEL33 — PROGRAMMING IN C**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What are the different data types available in C?
2. What is type casting?
3. Write the difference between while-do and do-while statement in C.
4. What is meant by library function?
5. What is one dimensional array?
6. What is difference between structure and array?
7. What is a structure?
8. Write the general form of declaration of a union.
9. Mention the general format for creating file.
10. Write the syntax used for Reading and Writing from File.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Give an account on the all types of constants.

Or

- (b) Explain the arithmetic operators.

12. (a) Illustrate the followings :

- (i) break
- (ii) continue
- (iii) go to statements.

Or

- (b) Elucidate the process of recursion.

13. (a) Describe the initialization of two dimensional array.

Or

- (b) Explain how pointer variable is declared.

14. (a) Discuss the structure of initialization.

Or

- (b) Write a program to pass a structure member as an argument of a function.

15. (a) Describe Register variables.

Or

- (b) Discuss the bitwise operations.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the data types.

17. Discuss the do-while loop with an example.

18. Describe the declaration of structure variables.

19. Write a program for illustrating a function returning a structure.

20. Describe the followings :

- (a) Input-output operations on files
- (b) Bitwise operations.

