

C 2311

B.Sc. (Three Year) DEGREE EXAMINATION, MARCH/APRIL 2018.

(End Semester Examination)

Second Semester

(Regular/Supplementary)

Part II — Computer Science

PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 70

PART — A

Answer any FIVE of the following questions. **(5 × 4 = 20 Marks)**

1. Write a short note on structured programming?
2. Explain the importance of switch statement.
3. Distinguish between the break and continue statement.
4. Give an examples for break and continue.
5. How can arrays be used for inter-function communication?
6. Differentiate between gets() and scanf ().
7. Give the advantages of using pointers.
8. Define the term stream. What is the work of streams?

PART — B

Answer ALL the following questions. **(5 × 10 = 50 Marks)**

UNIT I

9. (a) Define an algorithm. What are the key features of algorithm?
Or
(b) Give an examples for variables and constants.

UNIT II

10. (a) What are conditional statements in 'C' languages?
Or
(b) How many types of storage classes does the 'C' language support?

Turn Over

UNIT III

11. (a) Write a program to read and display 3×3 matrix.

Or

- (b) What are the operations of strings?

UNIT IV

12. (a) What is an array of pointers? How is it different from a pointer to an array?

Or

- (b) Write a short note on nested structures.

UNIT V

13. (a) Write a short note on functions that are used to

- (i) Read data from a file
- (ii) Write data to a file.

Or

- (b) Write a program to accept command line argument.
