

S.No. 7340

RNENS 10

(For candidates admitted from 2006–2007 onwards)

M.Sc. DEGREE EXAMINATION, NOVEMBER 2023.

Mathematics

C-PROGRAMMING LANGUAGE

Time : Two hours

Maximum : 60 marks

SECTION A — (3 × 3 = 9)

Answer ALL questions, Choosing either (a) or (b)

1. (a) Write a sample program of printing a message.

Or

- (b) Write the categories of C operators.

2. (a) What are the statements followed by decision-making?

Or

- (b) Write down the fundamental types of data types.

3. (a) Write the form of called function.

Or

- (b) What are the three categories of the preprocessor directives?

SECTION B — ($3 \times 6 = 18$)

Answer ALL questions, Choosing either (a) or (b)

4. (a) Define variables and write down its conditions.

Or

- (b) Explain increment and decrement operators and its rules.

5. (a) What are the rules for Indentation?

Or

- (b) Explain run time initialization with example.

6. (a) Write some benefits of the pointers to the programmers.

Or

- (b) Write the advantages of linked lists.

SECTION C — ($3 \times 11 = 33$)

Answer ALL questions, Choosing either (a) or (b)

7. (a) Explain the declaration of variables.

Or

- (b) What are the rules that are applied while evaluating expressions?

8. (a) Explain the if...else statement.

Or

- (b) Describe the scope and lifetime of variables in functions.

9. (a) Discuss in detail about the declaring structure variables.

Or

- (b) Write a c program to print the address of a variable along with its value.
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