

SECTION 'B' (Short-Answer Questions) (25)

NOTE: Answer any five part questions from this section. All questions carry equal marks. Answer should not exceed 3 to 4 lines.

2. i) What is IDE? Write few shortcut keys and their functions in IDE.
- ii) Write a program to print the factorial of an inputted number.
- iii) What is meant by Escape Sequence? Define any four with examples.
- iv) Convert the following mathematical expressions into equivalent 'C' expressions. (Attempt any two)

a) $B = (x + y)^2 - (a^2 + b^2)$ b) $p = \frac{(a^2 - b^2)}{(a - b^2)}$

c) $y = (a + b)^n$ d) $X = \sqrt{b + a^2}$

- v) What is main difference between Source code and Object code.
- vi) Define Logical operators with examples.
- vii) What are the library functions? Name any four.
- viii) What are Local and Global Variables also give examples:
- ix) By using nested loop write the program to print the following output.

2	4	6	8	10
3	6	9	12	15
4	8	12	16	20
5	10	15	20	25

- x) Write a program to calculate the area of rectangle
(Hint $A = w * l$).

SECTION 'C' (Detailed Answer Questions)(14)

NOTE: Attempt any Two questions from this section. All questions carry equal marks.

3. Explain all data types in C – Language
4. How many types of decision structures are there in 'C'? Define with examples.
5. What is Function? What are the advantages of using function?
6. Define switch and break Statement with example.

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