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C14-EC-406

4460

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2021
DECE - FOURTH SEMESTER EXAMINATION
PROGRAMMING IN C

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **four** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List the arithmetic operators in C.
2. List the relational operators in C.
3. Write the syntax of *simple if* statement.
4. List any three conditional statements supported by C.
5. Define one dimensional array.
6. List any two functions used for reading strings.
7. Define a function used in C.
8. Differentiate between address and de-referencing operators.
9. Define a structure.
10. List any two conditional pre-processor directives used in C.

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PART—B

15×4=60

Instructions : (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. (a) Explain nested assignments.
(b) List any six unconditional pre-processor directives used in C.
12. Explain while loop, do-while loop.
13. Explain Switch Case statement.
14. Explain the initialization of one dimensional and two dimensional arrays.
15. Explain the operation of getchar(), getch() and putchar() functions.
16. Explain passing parameters to the function.
17. Define recursion and explain with an example.
18. Explain initialization of structure and accessing the members of a structure.

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