



C14-CM-106/IT-106

4032

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2018

DCME—FIRST YEAR EXAMINATION

PROGRAMING IN C

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

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

1. What is the use of below mentioned commands in C? 1½+1½
CTRL + F9, ALT + F9
2. Write about variable declaration. 3
3. What are the input and output functions in C language? 1½+1½
Write their syntax.
4. Give the syntax of GOTO statement. 3
5. Write about top-down design. 3
6. Write on declaration of array. 3
7. How to initialize a string? 3
8. Define function prototype. 3
9. List any four advantages of a pointer. 3
10. List command line arguments. Give their purpose. 3

PART—B

10×5=50

- * **Instructions :** (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criteria for evaluation is the content but not the length of the answer.

- 11.** (a) List the operators in C language and write about multiple assignment operators. 5
(b) Write a C program to find biggest of three numbers using function with an array as argument. 5
- 12.** Write the differences between nested if else and switch statement with example programs. 5+5
- 13.** Write a C program to print first 10 natural numbers. 10
- 14.** Write a C program to add twodimensional arrays. 10
- 15.** Define recursion. Explain with an example program. 10
- 16.** Write a C program to read and print a matrix of order M×N using pointer to array. 10
- 17.** (a) Explain how to find size of a structure with an example. 5
(b) Explain self-referential structure with an example. 5
- 18.** Write a C program to create a text file to store student data fields like Name, PIN NO, Father name. 10

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