



C14-CM-106/C14-IT-106

4032

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2017

DCME—FIRST YEAR EXAMINATION

PROGRAMMING 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. Write the structures of the C language. 3
2. Write about constants and variables. $1\frac{1}{2}+1\frac{1}{2}=3$
3. Write the syntax of printf and scanf functions. $1\frac{1}{2}+1\frac{1}{2}=3$
4. List the conditional statements. 3
5. Write about break and continue statements. $1\frac{1}{2}+1\frac{1}{2}=3$
6. Define an array. 3
7. Write the declaration of a string. 3

- * 8. Define function. 3
9. Define how to declare a pointer variable. 3
10. List any four preprocessor directives and mention their uses. 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 criterion for valuation is the content but not the length of the answer.

11. (a) Classification of operators. 5
 (b) Write about function with arguments and return values. 5
12. Explain the switch statement using a sample program. 10
13. Explain while statement with syntax and a sample C program. 10
14. Write a C program to read and print two-dimensional arrays. 10
15. Write about function calling with an example program. 10
16. How to use pointer to single-dimensional arrays? Explain with an example. 5+5=10
17. (a) Define structure. What is the need of structure? 5
 (b) Explain array of structures with an example. 5
- * 18. Write a C program to create and display a text file. 10
