



C16-CM-IT-106

6026

BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

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. Define high level language and low level language.
2. Define tokens and identifiers.
3. Write about Printf() and Scanf() functions.
4. Write about while statement with syntax.
5. What is an Array? Give syntax.
6. Define Strcat() function.
7. Define function and state the need for user defined functions.
8. Define pointer with syntax.
9. State the importance of indentation.
10. Write the need of preprocessor directives.

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[Contd...

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PART—B

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

11. Explain Switch...Case statement with syntax and sample program. 10
12. Write a program to multiply two matrices using for loop. 10
13. Write a program to find the number is Palindrome or not. 10
14. Explain functions with arguments and with return value using sample program. 10
15. (a) Explain Recursion with sample program. 5
(b) Explain Logical operators with examples. 5
16. Explain dynamic memory management functions with examples. 10
17. Describe how to find size of a structure with sample program. 10
18. Explain Macro substitution using #define with an example. 10

A.A.N.M & V.V.R.S.R POLYTEHNIC, GUDLAVALLERU, KRISHNA DIST, A.P

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