



C-09-CM-105/C-09IT-105

3025

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2017

DCM—FIRST YEAR EXAMINATION

COMPUTER FUNDAMENTALS AND PROGRAMMING IN 'C'

Time : 3 hours ]

[ Total Marks : 80

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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. Convert the decimal number 282.0 to equivalent binary number.
2. What is RAM and what is its function?
3. What is a folder? Write the steps to create a new folder.
4. List the different Web search engines.
5. Draw a flowchart to find the sum of even numbers below 100.
6. Write the hierarchy of the relational operators.
7. Explain the procedure to declare a two-dimensional array.
8. Write the difference between malloc () and calloc () functions.

\* 9. Define union.

10. Define preprocessor.

**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. Explain the generations of computers.

12. (a) Explain how to create CONFIG.SYS file.

(b) Explain briefly about CONFIG.SYS file.

13. (a) What is Internet and what are the advantages of using Internet?

(b) Explain how to send e-mail message.

14. Write a 'C' program to check whether the given number is palindrome or not.

15. Explain the structure of a 'C' program with an example.

16. Write a 'C' program to find the largest value in an array of 10 numbers.

17. Explain 'C' function with arguments and return value, with suitable example.

\* 18. (a) Explain any two string functions, with examples.

(b) Explain pointer array with example.

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