



C09-CM/IT-105

3025

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2013

DCME—FIRST YEAR EXAMINATION

COMPUTER FUNDAMENTALS AND PROGRAMMING IN C

Time : 3 hours]

[Total Marks : 80

PART—A

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. Draw the block diagram of a digital computer.
2. Write the digits used in any three different number systems.
3. What are wildcards? Explain the usage of wildcards in DOS with examples.
4. Write the structure of URL.
5. Write an algorithm to find sum of the first 100 terms of the series $1+1/2+1/3+1/4+\dots$.
6. What are constants? List out the types of constants in C.
7. List out the string functions.
8. List out the dynamic memory allocation functions.

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9. What is the relationship between pointer and structure?
10. Write a short note on random access.

PART—B

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 different types of memories used in computers and write their advantages.
12. Explain installing a new software using control panel.
13. (a) Explain different web browsers.
(b) Write the steps to compose an e-mail.
14. Write a C program to print the following :
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
15. (a) Write a C program to print the even numbers from 2 to 50.
(b) Write a C program to check whether a given number is even or odd.
16. Write a C program to find the smallest value in an array of 10 numbers.

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17. What are actual parameters and formal parameters? Explain.
18. (a) Explain two-dimensional arrays with example.
(b) Explain how to initialize and declare pointer.
