C09–CM–105/C09–IT–**105**

3025

BOARD DIPLOMA EXAMINATION, (C–09)

OCT/NOV—2015

DCM—FIRST YEAR EXAMINATION

COMPUTER FUNDAMENTALS AND 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. What are the functions of CPU?

2. List the different types of memory.

3. What is booting? List the programs that runs when you boot your computer.

4. Write the structure of URL.

5. Write an algorithm to find circumference and area of a circle.

6. List the data types in C.

7. Explain how to initialize one-dimensional array.

8. List the dynamic memory allocation functions.

9. Define a structure.

10. Write procedure to open a file.

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PART—B   10×5=50

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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 conversion of a binary number to the equivalent hexadecimal with an example.

12. *(a)* Explain Uninstalling of a hardware using control panel.

(b) Explain Uninstalling of a software using control panel.

13. Explain the role of a modern in accessing the internet with neat sketch.

14. Write a C program to print all the numbers which are divisible by 7 and which are below 100.

15. Write a C program to find the largest among four given numbers.

16. Write a C program to check whether the given string is palindrome or not.

17. *(a)* What is the difference between call by value and call by reference?

(b) Explain return statement with example.

18. *(a)* Write a C program to print transpose of a given matrix.

(b) Write a note on pointer comparison and give examples.

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