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C16–CM–105

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BOARD DIPLOMA EXAMINATION, (C–16)

SEPTEMBER/OCTOBER - 2020

DCME—FIRST YEAR EXAMINATION

BASICS OF COMPUTER ENGINEERING

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. State the importance of cache memory.

2. Draw the flowchart to find the largest number in given two numbers.

3. Convert $436_{(8)}$ into binary number system.

4. Define an operating system. Name any three operating systems.

5. List any six components of windows.

6. What is meant by disk defragmentation?

7. Write the differences between Internet and Intranet.

8. State the purpose of Internet Service Provider (ISP).

9. What do you mean by open source software?

10. Define virus. Name any two viruses.

PART—B

10×5=50

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Classify computers based on size and processor technology.

12. *(a)* Write the steps to convert binary to decimal with example.

(b) Write the need of software engineering.

13. How the DOS commands are classified? Write the syntax of any six DOS internal commands with examples.

14. Write the procedure to change the display properties.

15. Explain the role of search engines with examples.

16. Write short notes on the following :

(a) Telnet

(b) World Wide Web

(c) FTP

17. What is Database Management System? Explain briefly any five existing database systems.

18. Explain cloud components with a diagram.

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