6025

BOARD DIPLOMA EXAMINATION, (C–16)
MARCH/APRIL—2018
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. Define the terms 'primary memory' and 'secondary memory'.

2. Draw a flowchart to find smallest of given three numbers.

3. Convert the following :

$$(345)_8 \quad (?)_{10}$$

4. What is an operating system? Give two examples.

5. Define the terms 'folder' and 'drive'.

6. Give the steps to invoke disk fragmentation using system tools.

7. List any three differences between Internet and Intranet.

8. Define DNS.

9. Define software engineering.

10. What is cellular system?

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 all the generations of the computers.

12. *(a)* List the steps to convert a number from decimal to octal with an example. 5

(b) List out various operating systems and explain any two of them. 5

13. *(a)* List and explain any five internal DOS commands. 5

(b) List and explain any five external DOS commands. 5

14. Explain the process of uninstalling a hardware using the control panel.

15. Explain the process of installation of a modem using control panel.

16. *(a)* Describe the relevance of internet service provider. 5

(b) Distinguish between TELNET and FTP. 5

17. *(a)* Describe the waterfall model and spiral model. 5

(b) Define open-source software. List any five open-source softwares. 5

18. *(a)* List five applications of cloud computing. 5

(b) Define worm. Give its features with examples. 5

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