4031

BOARD DIPLOMA EXAMINATION, (C–14)

JUNE—2019

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   (a) Computer   (b) Software.

2. List the steps involved in algorithm development.

3. Convert $(56)_{10}$ to binary.

4. List any 4 internal DOS commands.

5. List the components of a window.

6. Define a folder.

7. Define computer network.

8. Differentiate between internet and intranet.

9. Define software engineering.

10. Define cloud and usage of cloud.

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 the EBCDIC coding system.

(b) Explain any 5 features of network operating system.

13. *(a)* Describe 'autoexec.bat' and 'config.sys' files.

(b) Explain any 5 external commands with suitable examples.

14. *(a)* Explain the procedure how to install a new hardware using control pannel.

(b) Explain the process how to do disk defragmentation.

15. Describe the purpose of WWW, FTP, telnet and e-mail.

16. *(a)* Describethe address format and IP address

(b) Describe internet security.

17. Briefly explain any five features of network operating systems.

18. *(a)* Define virus and worm.

(b) Explain the need of network security.

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