C16–IT–**105**

6050

BOARD DIPLOMA EXAMINATION, (C–16)

MARCH/APRIL—2017

DIT—FIRST YEAR EXAMINATION

BASICS OF INFORMATION TECHNOLOGY

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 high-level language and low-level language.

2. List the characteristics of algorithm.

3. Define ASCII and EBCDIC codes.

4. State the need of an operating system.

5. List the features of windows desktop.

6. Define Disk Defragmentation.

7. What is a computer network?

8. Define modem.

9. List the advantages of database systems.

10. Define multimedia.

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. *(a)* Draw and explain the block diagram of the computer.   5

     (b) List and briefly explain various computer generations.   5

12. *(a)* $(42197\ 546875)_{10}\ \ (\underline{\ \ ?\ \ })_{16}$ 5

     (b) List and explain file systems.   5

13. List and explain any five internal and five external MSDOS commands.   10

14. *(a)* Explain the procedure for installing a printer.   5

     (b) Write a short note on control panel.   5

15. *(a)* Explain about URL.   5

     (b) Explain the role of search engines with examples.   5

16. *(a)* Discuss in brief about TELNET.   5

     (b) Explain the concept of e-mail.   5

17. *(a)* What is open source software? List any four open source softwares.   5

     (b) What do you mean by software engineering? Explain the software engineering layers.   5

18. *(a)* Explain the need for Photoshop and Flash.   5

     (b) Explain virus security concerns in e-Commerce.   5

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