C16–IT–**105**

6050

BOARD DIPLOMA EXAMINATION, (C–16)
MARCH/APRIL—2018
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 *(a)* hardware and *(b)* software.

2. Define algorithm. List the symbols used for algorithm.

3. List various number systems used in digital computer. Give an example in each case.

4. State the need of the operating system.

5. Explain the usage of maximize and minimize buttons.

6. Define a file and a folder.

7. Define local area network (LAN).

8. Compare between Internet and Intranet.

9. Classify the data structures.

10. Define multimedia. List any two uses of 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. Explain the functions of input and output devices with example.

12. *(a)* Convert binary number $110\ 11_2$ into decimal number. 5

(b) List and explain the advantages of database systems. 5

13. List and explain any five external commands.

14. *(a)* Explain installing new hardware using control panel. 5

(b) Give the steps for changing the system date and time. 5

15. Explain the installation procedure of modem using control panel.

16. Explain about DHCP.

17. List and explain any five features of networking operating systems.

18. *(a)* Explain about the need for network security. 5

(b) Define virus and worm. Give examples in each case. 5

★ ★ ★