C16–IT–**105**

6050

BOARD DIPLOMA EXAMINATION, (C–16)
OCT/NOV—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 cache memory.

2. List the symbols used to draw the flow chart.

3. Convert the decimal number 4429·625 into octal.

4. Define autoexec.bat and config.sys file.

5. What is active desktop?

6. List any three basic versions of windows.

7. Define the terms LAN and WAN.

8. Why is internet security needed?

9. Define software engineering.

10. Define virus. Give two examples.

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PART—B 10×5=50

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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)* Differentiate between RAM and ROM.   5

      (b) List and explain the current family of CPUs used in computers.   5

12. *(a)* Write the difference between ASCII code and EBCDIC code.   5

      (b) List any five life cycle models in software engineering. Briefly explain any two of them.   5

13. *(a)* What are the wild cards in MSDOS? Give one example in each case.   5

      (b) Explain command.com file.   5

14. *(a)* Explain the features of windows desktop.   5

      (b) Explain the procedure for installing a new hardware.   5

15. *(a)* Explain about FTP and TELNET.   5

      (b) Explain about DNS.   5

16. *(a)* What is encryption? Explain types of encryption schemes.   5

      (b) Why is DHCP required? Explain its working.   5

17. *(a)* List and explain file systems. 5

(b) Explain the terms client, server, OS and network operating systems. 5

18. *(a)* Explain in brief about cloud components. 5

(b) Explain about CDMA system. 5

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