C14–IT–**105**

4060

BOARD DIPLOMA EXAMINATION, (C–14)
OCT/NOV—2016
DIT—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 low-level language and high-level language.

2. What are the steps involved in problem solving?

3. Convert $2BCD.876_{16}$ to binary.

4. Define DOS prompt.

5. List the features of Windows desktop.

6. Write about maximize, minimize, restore and close buttons.

7. What is FTP?

8. Define computer network.

9. List various life-cycle models in software engineering.

10. Define worm.

PART—B
10×5=50

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 computer.

12. *(a)* Describe autoexec.bat and config.sys files. 6

(b) State the need for operating system. 4

13. Explain the process of uninstalling software using control panel.

14. *(a)* Describe DHCP.

(b) Describe Internet security.

15. *(a)* Explain the role of modem in accessing the Internet. 5

(b) Describe about ISP (Internet Service Provider). 5

16. *(a)* Explain ASCII coding scheme. 5

(b) Differentiate between flat file database and relational database systems. 5

17. List and explain any five features of network operating system.

18. Define e-commerce. Explain various security concerns in e-commerce.

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