

**6025**  
**BOARD DIPLOMA EXAMINATION**  
**MARCH/APRIL - 2019**  
**DIPLOMA IN COMPUTER ENGINEERING**  
**BASICS OF COMPUTER ENGINEERING**  
**FIRST YEAR EXAMINATION**

**Time: 3 Hours**

**Total Marks: 80**

**PART - A (3m x 10 = 30m)**

*Note 1: Answer all questions and each question carries 3 marks*

*2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences*

1. Write the function of a printer
2. Give any three differences between program and algorithm
3. Convert 124.5 decimal into Binary System
4. What is the purpose of the commands 1. Del A\*.\* ? 2. Del ?.\*
5. Define file and folder
6. List the steps to change the Desktop background
7. Define the terms telnet and DNS
8. What is Universal Resource Locator (URL). List any 2 URLs
9. List types of data structures ? Give an example in each case
10. Define Wireless LAN and mention any two of its features

**PART - B (10m x 5 = 50m)**

*Note 1: Answer any five questions and each carries 10 marks*

*2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer*

11. List various output devices and Explain the functions of any three output devices
12. Explain the following Dos Commands with syntax, purpose and example
  - A. Mkdir B. Chdir c. format d. Edit
13. a) List the features of Windows desktop.  
b) Explain the Method of finding a file using search option
14. . a). What is WAN? List any 4 characteristics of WAN.  
b). What is ISP? List any four ISPS available in India

15. Explain the structure of a Universal Resource Locator (URL). Give any two examples

16. List and explain any 5 Advantages of Database systems

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17A. Explain Binary, Hexadecimal number Systems?

B. List any 5 life cycle models in software engineering and Explain about waterfall model

18. a) Explain about Wireless communication.  
b) Distinguish between GSM and CDMA

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