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C16-IT-105

6050

BOARD DIPLOMA EXAMINATION, (C-16)

JUNE—2019

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. Write short note on cache memory.
2. List the characteristics of algorithm.
3. What is meant by EBCDIC?
4. What is config.sys file?
5. What is the use of Windows Explorer in Windows operating system?
6. What is disk defragmentation?
7. Compare LAN and WAN.
8. What is search engine? List any two search engines.
9. List various DBMS softwares.
10. List any three applications of multimedia.

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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. Draw the block diagram of computer and explain the functions of each unit. 3+7=10
12. (a) Convert the following : 3+2=5
- (i) $(1253 \cdot 3125)_{10} = (\text{---})_8$
- (ii) $(BCD \cdot 34)_{16} = (\text{---})_2$
- (b) List and explain any five features of network operating system. 5
13. Explain any two internal DOS commands and 3 external DOS commands with examples.
14. Write the procedure to install a new hardware and uninstall hardware using control panel.
15. What is MODEM? Explain the procedure for installing MODEM.
16. (a) What is IP address? Explain IP address format. 1+4=5
- (b) Explain about WWW. 5
17. Explain (a) waterfall model and (b) spiral model. 5+5=10
18. List and explain various e-commerce sites.

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