

3763
BOARD DIPLOMA EXAMINATION, (C-09)
JUNE - 2019
DIPLOMA IN ELECTRONICS & COMMUNICATION ENGINEERING
COMPUTER HARDWARE
SIXTH SEMESTER EXAMINATION

Time: 3 Hours**Total Marks: 80**

PART - A (10 x 3 = 30 Marks)

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. Differentiate between serial and USB Ports.
2. What is hard disk controller? Write the importance of SCSI controller.
3. List any three functions of chip set.
4. What is JPEG?
5. Write any three differences between CD and DVD.
6. List different types of printers.
7. What is need for BIOS settings?
8. Mention the uses of Windows registry.
9. What is OS? State its importance.
10. List the settings in CMOS setup.

PART - B (5 x 10 = 50 Marks)

Note 1: Answer any five questions and each question 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. a) What is AGP? Explain about it.
b) Explain about cache memory.
12. a) Describe the functioning of Video grabber card.
* b) Describe the functioning of Network card.
13. a) Describe the working principle of infrared mouse.
b) Describe the working principle of capacitance switch.
14. a) List the specifications of monitor. 3m
b) Describe the working of LCD monitor. 7m
15. a) What is Power on Self Test? List various steps in POST 7m
b) What is the content of BOOT sector? 3m
16. a) Explain the purpose of any five control panel icons.
b) List any two common viruses and explain the ways to remove them.
17. Write short notes on 4m+3m+3m
 - a) Device drivers
 - b) Surface scanning
 - c) Defragmentation

18. a) Explain the usage of FDISK.
b) Explain about disk manager and disk partitioning.

3m

7m

- xxx -

*

*

*