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T – 1635

Reg. No. :

Name :

Sixth Semester B.Sc. Degree Examination, April 2024

First Degree Programme under CBCSS

Physics

Elective Course

PY 1661.5 : COMPUTER HARDWARE AND NETWORKING

(2018 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

Answer **all** questions. **Each** question carries **1** mark.

1. Give two major differences between Pentium and AMD processors.
2. Why is IEEE FireWire standard used for?
3. What is RIMM?
4. Write the different types of floppy disks.
5. Name four optical disk drives.
6. Why SMPS is used in a computer?
7. What is a computer virus?
8. Distinguish between a hub and a switch.
9. What are IP address classes?
10. What are the disadvantages of GPRS system?

(10 × 1 = 10 Marks)

P.T.O.

SECTION – B

Answer any **eight** questions. **Each** question carries **2** marks.

11. Give the functional block diagram of a computer.
12. Give examples of add on cards on a computer.
13. What are different components of a hard disk?
14. What are the disadvantages of a floppy disk over other storage devices?
15. Why do you need an antivirus software in a networked computer?
16. Why TFT monitors are preferred over CRT monitors?
17. Can a DVD always replace a CD? Explain.
18. Give two features of SCSI.
19. Give two advantages of CDMA technology over GSM.
20. What is the use of subnet mask?
21. What is supernetting?
22. What is a UPS? Which type of UPS is preferred for a personal computer?

(8 × 2 = 16 Marks)

SECTION – C

Answer any **six** questions. **Each** question carries **4** marks.

23. What are the features of Pentium family of processors?
24. What are different components of a typical motherboard?
25. Describe the features and uses of TV Tuner and Sound cards?
26. Write a note on file formats used in hard disks.

27. What are different jumper settings in an HDD.
28. Briefly describe the Bluetooth technology.
29. Give a note on various LAN connecting devices.
30. What are some symptoms of a virus attack on a computer?
31. Explain the working of a scanner.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. **Each** question carries **15** marks.

32. What are computer peripherals? Detail uses and features of any five peripherals.
33. Why computer networking is required? Describe various types of networks mentioning their advantages.
34. Discuss various bus standards used in PCs mentioning their advantages and limitations.
35. Describe the features of various optical disk drives.

(2 × 15 = 30 Marks)