C16–EC–**503**

6631

BOARD DIPLOMA EXAMINATION, (C–16)

OCT/NOV—2018

DECE—FIFTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND NETWORKING

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. List any six features of DDR2 SDRAM.

2. List any six specifications of LED monitor.

3. Define POST (Power on Self Test).

4. State the need for disk partitioning.

5. Define computer network and state its use.

6. List different types of physical transmission media used in networking.

7. State the need for protocols in computer networks.

8. Define the terms Internet and Intranet.

9. State the use of routers in networking.

10. Write the role of DNS server.

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. *(a)* List the important features of chipsets. 3

(b) Explain the working principle of optical mouse. 7

12. Explain the working of hard disk and its data access.

13. *(a)* Explain about booting procedure. 7

(b) Compare fire allocation table (FAT) with new technology file system (NTFS). 3

14. Draw the ISO : OSI 7 layer architecture and explain the function of each layer.

15. Explain the topology of wireless LAN and its frame format (IEEE 802·11).

16. Explain the cross-sectional diagrams of UTP and STP cables and their use in networking.

17. Explain about classful addressing and classless addressing in detail.

18. Describe how email is transferred.

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BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING
COMPUTER HARDWARE & NETWORKING
FIFTH SEMESTER 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. Give the connector details of mouse

2. What are the functions of chipset?

3. State the use of windows registry

4. List different types of viruses

5. List differences between OSI and TCP/IP models

6. State the use of repeater/ hub

7. What is the use of SkyWAN?

8. List any three differences between TCP and UDP

9. Define ISP

10. What is classless addressing in IPV4 ?

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. What is optical mouse and explain its working

12. List various SMPS power supply connectors used in PC-AT and explain their use

13. List different types of viruses and explain different ways of removing viruses

14. Draw TCP/IP reference model and explain the functions of each layer

15. Explain Ethernet Local Area Network and give its frame format

16. Explain the features of Bluetooth technology

17. Explain how email is transferred with a diagram

18. Explain remote login process with the help of relevant diagram

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BOARD DIPLOMA EXAMINATION
JUNE - 2019
DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING
COMPUTER HARDWARE & NETWORKING
FIFTH SEMESTER 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. Give the connector details of serial port

2. List any six expansion slots available on motherboard

3. List different types of viruses

4. Define the Power On Self-Test (POST)

5. Define network topology

6. Define virtual circuit packet switching

7. State the use of switch

8. Define the terms Internet and Intranet

9. List any three features of UDP

10. What is the use of email?

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. Explain the principle of working of optical mouse

12. Explain the working of LED monitor with the help of suitable diagram

13. What is formatting a disk? Explain the process of formatting a disk

14. Explain the functions of different layers of ISO:OSI seven layer reference model with a diagram

15. Explain the cross sectional diagrams of UTP, STP and Fiber optic cable and their use in networking

16. Explain the working of token ring network

17. Explain the packet transfer mechanism using routers and IP address

18. Explain file transfer operation using FTP

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BOARD DIPLOMA EXAMINATIONS

OCT/NOV-2019

DECE – FIFTH SEMESTER

COMPUTER HARDWARE AND NETWORKING

Time: 3 hours   Max. Marks: 80

PART – A   **3 X 10= 30**

Instructions: 1. *Answer **all** questions.*
2. *Each question carries **Three** Marks.*
3. *Answer should be brief and straight to the point and should not exceed five simple sentences.*

1. List the functions of chipsets.

2. List the features of DDR3SDRAM.

3. State the need for installation of device drivers.

4. State the need for disk partitioning.

5. Define computer network and state its use.

6. List the different types of physical transmission media used in networking.

7. Differentiate between switch and bridge.

8. Distinguish between store-and –forward and adaptive switch mechanisms.

9. State the use of Gateways.

10. Mention the role of DNS server.

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PART – B   **10 X 5 = 50**

Instructions: 1. *Answer any **Five** questions*
                 2. *Each question carries **TEN** Marks.*
                 3. *Answer should be comprehensive and criteria for valuation are the content but not the length of the answer.*

11. Explain accelerated graphics port.

12. Explain the working of LED monitor.

13. Explain the steps in assembling a PC.

14. Draw TCP/IP reference model and explain the functions of each layer.

15. Explain circuit switching and packet switching.

16. Explain CSMA/CD and CSMA/CA.

17. Explain classful addressing and classless addressing in IPv4.

18. Explain file transfer operation using FTP.

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BOARD DIPLOMA EXAMINATION, (C–16)
NOVEMBER—2020
DECE—FIFTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND NETWORKING

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. What is the function of chipset?

2. List any six specifications of LED monitor.

3. State the need for disk partitioning.

4. State the need for installation of device drivers.

5. Define network topology.

6. State the use of repeater and hub.

7. Differentiate between switch and bridge.

8. Briefly explain classless addressing in IPV4.

9. State the use of gateways.

10. Write the purpose of proxy server.

Instructions : (1) Answer *any* **five** questions.

             (2) Each question carries **ten** marks.

             (3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Explain various SMPS power supply connectors used in PC–AT.

12. Explain the working of LED monitor with the help of suitable diagram.

13. Describe the general steps involved in the installation of windows OS.

14. Draw TCP/IP reference model and explain the functions of each layer.

15. Explain the cross sectional diagrams of STP and Co-axial cable and state their use in networking.

16. Explain Ethernet LAN and its frame format.

17. Explain the packet transfer mechanism using routers and IP address.

18. Explain how email is transferred.

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BOARD DIPLOMA EXAMINATION, (C-16)

MARCH/APRIL—2021

DECE - FIFTH SEMESTER EXAMINATION

COMPUTER HARDWARE AND NETWORKING

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. List any six features of chipsets.

2. Write any three reasons for popularity of USB ports.

3. State the need for installation of device drivers.

4. List the different types of VIRUSES.

5. Define network topology.

6. State the use of repeater.

7. Differentiate among repeater, switch and bridges.

8. State the purpose of proxy server.

9. List any six features of User Datagram Protocol.

10. State the use of Gateways.

PART—B

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Explain the working principle of LED monitor.   10

12. Explain accelerated graphics port.   10

13. Explain the editing of CMOS setup in detail.   10

14. Draw the TCP/IP reference model and explain the functions of each layer.   10

15. Explain about following :

   (a) Circuit switching   5

   (b) Packet switching   5

16. Explain the working principle of Token ring network.   10

17. Explain the internal architecture of ISP with neat diagram.   10

18. *(a)* Describe about Web browser architecture.   8

   (b) What is meant by remote login?   2

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