

Register Number :

Name of the Candidate :

5 7 0 6

B.C.A. DEGREE EXAMINATION, 2010

(SECOND YEAR)

(PART - III)

(PAPER - XII)

260. COMPUTER NETWORKS

(*Revised Regulations*)

(*Including Lateral Entry*)

December]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. Explain the modern benefits of networking.
2. Explain the network structure.
3. Discuss the network topologies.

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4. Write short notes on network operating system.
5. Explain the history of internet working.
6. Discuss internet working challenges.
7. Explain the network interfaces.
8. Explain the different types of firewall.
9. Discuss the message switching.
10. Explain the ISDN services.

SECTION - B (3 × 20 = 60)

*Answer any THREE questings.
All questions carry equal marks.*

11. (a) Discuss the development of computer networks.
(b) Describe the network applications.
12. Describe any four-transmission media.
13. (a) Describe the internet working models.
(b) Explain the ISO OSI reference model.
14. (a) Explain the different types of bridges.

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- (b) Describe the network security beyond firewalls.
15. (a) Explain the concept of circuit switching and packet switching.
(b) Discuss ISDN architecture.

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(*Revised Regulations*)

May]

[Time : 3 Hours

Maximum : 100 Marks

SECTION - A (8 × 5 = 40)

Answer any EIGHT questions.

All questions carry equal marks.

1. Explain the modern benefits of computer networks.
2. Write short notes on network software.
3. Explain the network components.
4. Discuss wireless media.

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5. Explain the history of internet working.
6. Discuss internet working challenges.
7. Explain the concept of Hubs.
8. Explain the different types of switches.
9. Explain the characteristics of WAN.
10. Discuss ISDN signaling.

SECTION - B (3 × 20 = 60)

*Answer any THREE questions.
All questions carry equal marks.*

11. (a) Discuss network software.
(b) Describe the various network applications.
12. (a) Explain the two types of co - axial cable.
(b) Describe the communication schemes.
13. (a) Discuss internet working models.
(b) Describe the ISO OSI reference model.
14. (a) Explain the concept of proxy servers.
(b) Discuss network security.

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15. (a) Discuss various switching methodologies.
(b) Describe the ISDN architecture.

7. List the different types of firewalls.
8. What is meant by routers ? Explain.
9. List the characteristics of LAN.
10. Enumerate the use of ISDN.

PART - B (3×20 = 60)

*Answer any THREE questions.
All questions carry equal marks.*

11. Explain the use of computer networks in detail. (20)
12. Explain in detail network operating systems.(20)
13. (a) What are the advantages of reference models ? Explain. (10)
(b) Write a note on internetworking models.(10)
14. What is switching ? Explain the different types of switching and their advantages. (20)
15. (a) List the salient features of
 - (i) LAN.
 - (ii) WAN. (5+5)
(b) Write a note on message switching. (10)

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[Time : 3 Hours

Maximum : 100 Marks

PART - A (8× 5 = 40)

*Answer any EIGHT questions.
All questions carry equal marks.*

1. What is meant by network ? Explain.
2. Write a note on network software.
3. Explain about twisted pair.
4. Explain the different communication schemes.
5. Explain the challenges faced in internetworking.
6. Explain about the history of internet.

Turn Over