

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2024  
(Sixth Semester)

Branch – NETWORKING & MOBILE APPLICATION

NETWORK COMPONENTS

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 The infrastructure that the World Wide Web and other services reside on is called what?  
(i) WAN (ii) Enterprise Network  
(iii) Internet (iv) E-mail
- 2 Which of the following is NOT a type of firewall?  
(i) Packet-filtering firewall (ii) Proxy firewall  
(iii) Stateful inspection firewall (iv) Intrusion Detection System (IDS)
- 3 Which of the following is a primary purpose of using a VPN?  
(i) Increasing internet speed (ii) Accessing websites without restrictions  
(iii) Encrypting internet traffic (iv) Preventing malware attacks
- 4 Which command is used to check the connectivity between two devices in a network?  
(i) tracert (ii) ping  
(iii) netstat (iv) nslookup
- 5 What tool can be used to test network connectivity between two devices?  
(i) ipconfig (ii) ping  
(iii) tracert (iv) netstat

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Explain bus topology with a diagram.  
OR  
b Explain on MODEMs.
- 7 a Explain on network based firewalls.  
OR  
b Explain IP filtering.
- 8 a Explain VPN in short.  
OR  
b Describe the remote authentication dial in user service.
- 9 a Explain ipconfig with an example.  
OR  
b Explain the uses of multimeter.
- 10 a Explain loopback testing in detail.  
OR  
b Explain wireless issues in short.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Summarize the different types of LANs.  
OR  
b Summarize the use of repeaters and hubs.
- 12 a Discuss about network intrusion detection system.  
OR  
b Discuss on tunneling and encryption in short.
- 13 a Discuss on wireless authentication and encryption.  
OR  
b Discuss on WiFi protected access.
- 14 a Elucidate the use of ARP ping.  
OR  
b Summarize the use of environmental monitors.
- 15 a Summarize the basic troubleshooting actions.  
OR  
b Discuss about port configuration issues.

Z-Z-Z

END