

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2022  
(Sixth Semester)

Branch- NETWORKING AND MOBILE APPLICATION

NETWORK COMPONENTS

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1 The organization that spearheaded the development of the Internet was which of the following?  
(i) ARPA (ii) DARPA  
(iii) Novell (iv) Bubba's Computer Consulting, Lt(iv)
- 2 Which term best describes a device that is built into a computer's motherboard that allows that computer to access a network?  
(i) Network Interface Card (ii) Network Interface Controller  
(iii) Bridge (iv) Bandwidth Shaper
- 3 What networking device is used to detect network intrusion?  
(i) Firewall (ii) Switch  
(iii) IDS (iv) IPS
- 4 Network layer firewall works as a \_\_\_\_\_  
(i) Frame filter (ii) Packet Filter  
(iii) Content filter (iv) Level based
- 5 There are \_\_\_\_\_ types of VPN.  
(i) 2 (ii) 3  
(iii) 5 (iv) 4
- 6 Which of the following does WEP stand for?  
(i) Wired Equivalent Privacy (ii) Wired Encryption Privacy  
(iii) Wired Equivalent Protocol (iv) Wired Encryption Protocol
- 7 A networking tool that can be used to determine voltage, amperage, continuity, and other measurements is called what?  
(i) Protocol analyzer (ii) Tone probe  
(iii) Multimeter (iv) Butt set
- 8 ICMP is used in \_\_\_\_\_  
(i) ping (ii) ipconfig  
(iii) ifconfig (iv) traceroute
- 9 The loss in signal power as light travels down the fiber is called \_\_\_\_\_  
(i) Attenuation (ii) Propagation  
(iii) Scattering (iv) Interruption
- 10 When a signal is weakened or lost over a network connection it is sometimes referred to as what?  
(i) DB Loss (ii) Routing Loop  
(iii) Loopback (iv) Broadcast storm

Cont...

**SECTION - B (25 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 5 = 25)

- 11 a Explain the steps involved to configure network related components in windows.  
OR  
b Interpret how routers and firewalls are used in network.
- 12 a Illustrate the steps involved in Signature identification in firewalls.  
OR  
b Classify filtering used in networks.
- 13 a Explain about the Remote Access services.  
OR  
b Illustrate about the Wireless Authentication and Encryption.
- 14 a Compare and contrast ARP Ping and ARP NSlookup.  
OR  
b Summarize the Throughput Testers.
- 15 a Infer Common Port Configuration issues.  
OR  
b Illustrate the steps performed during trace route testing.

**SECTION -C (40 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 8 = 40)

- 16 a Analyse different types of network.  
OR  
b Enumerate the functionality of Repeaters, Hubs, Bridges and Switches.
- 17 a Inspect the Network intrusion detection system.  
OR  
b Examine about tunneling and encryption.
- 18 a Discover the features involved in VPN Concentrator.  
OR  
b Examine Remote Authentication Dial-In user Service.
- 19 a Examine the different Command line interface tools.  
OR  
b Analyse Time domain reflectometer and optical time domain reflectometer.
- 20 a Categorize basic troubleshooting actions.  
OR  
b Illustrate Switch and Router Configuration Testing.

Z-Z-Z

END