

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2024
(Fifth Semester)

Branch – NETWORKING AND MOBILE APPLICATIONS

MAJOR ELECTIVE COURSE – I TCP/ IP PROTOCOL SUITE

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 A _____ is a set of rules that governs communication.
(i) interface (ii) protocol (iii) service (iv) header
- 2 _____ is a connectionless, unreliable transport protocol.
(i) IP (ii) TCP (iii) UDP (iv) HTTP
- 3 What is the port number of HTTP protocol?
(i) 21 (ii) 25 (iii) 79 (iv) 80
- 4 _____ is a reliable transport layer protocol.
(i) TCP (ii) UDP (iii) RTP (iv) HTTP
- 5 _____ is a strategy used when two computers using IPv6 want to communicate with each other and the packet must pass through a region that uses IPv4?
(i) encapsulation (ii) header translation
(iii) Tunneling (iv) dual stack

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Summarize the internet standards.
OR
b Explain the physical addresses used in TCP/IP protocols.
- 7 a Explain the concept of fragmentation.
OR
b Identify the UDP services.
- 8 a Describe the TCP segment format.
OR
b Explain about windows in TCP.
- 9 a Explain about DNS in the internet.
OR
b Outline the TCP timer.
- 10 a Describe in detail about address space allocation of IPV6.
OR
b Explain about group membership messages.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss the layers in the OSI Model.
OR
b Summarize the layers in the TCP/IP protocol suite.
- 12 a Analyze the stop and wait protocol.
OR
b Discuss about checksum.
- 13 a Summarize the TCP services.
OR
b Discuss the TCP connection management.
- 14 a Discuss about TCP package.
OR
b Analyze about the Domain name space.
- 15 a Summarize the packet format of IPV6.
OR
b Discuss about neighbor discovery messages.

Z-Z-Z

END