

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2022
(First Semester)

Branch - NETWORKING & MOBILE APPLICATIONS

FUNDAMENTALS OF NETWORKS AND INDUSTRIAL SAFETY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 The physical or logical arrangement of the network is called _____?
(i) topology (ii) routing
(iii) networking (iv) None of the above
- 2 Which form of data flow strategy is adopted in simplex mode of data communication system?
(i) Uni-directional (ii) Bi-directional
(iii) Multi-directional (iv) All of the above
- 3 Which of these is a standard interface for serial data transmission?
(i) Centronics (ii) RS232C
(iii) ASCII (iv) 2
- 4 The device which translates the domain name into IP is:
(i) Modem (ii) Gateway
(iii) DNS (iv) Router
- 5 Who was known as the father of www?
(i) Geoff Bezos (ii) Tim Berner's Lee
(iii) Bill Gates (iv) Steve Jobs

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Classify the uses of network with an example.
OR
b Differentiate the types of networks in detail.
- 7 a Explain pros and cons of reference model with examples.
OR
b Bring out the concepts of guided transmission medium.
- 8 a Explain Analog and digital signals with example.
OR
b Demonstrate the data into signal conversion.
- 9 a Describe domain name system with example.
OR
b Explain the concepts of electronic mail system.
- 10 a Explain security and safety factors of networks with examples.
OR
b Distinguish secure concept in networks.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Categorize network technology with examples.
OR
b Survey the concept of network protocols.
- 12 a Elucidate the concepts of wireless transmission with neat diagram.
OR
b Describe data link frame work with an example.
- 13 a Distinguish transmission of analog data with digital signals.
OR
b Enumerate the concepts of network layer and its relationship with Internet.
- 14 a Elucidate HTTP/2 streaming with an example.
OR
b Explain distributed cloud services with suitable example.
- 15 a Explain the safety objectives in network with an example.
OR
b Justify safety management in network with an example .

Z-Z-Z

END