PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION DECEMBER 2024
(First Semester)

BRANCH- NETWORKING AND MOBILE APPLICATION
FUNDAMENTALS OF NETWORKS AND INDUSTRIAL SAFETY

Time: Three Hours   Maximum: 75 Marks

SECTION-A (10 Marks)
Answer **ALL** questions
ALL questions carry **EQUAL** marks   (10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	What is the term for the data communication system within a building or campus? a) MAN b) LAN c) PAN d) WAN	K1	CO1
	2	Interpret the most common protocol used to retrieve email from a mail server a) FTP b) IMAP c) HTML d) TELNET	K2	CO1
2	3	Relate the layer responsible for process-to-process delivery in a general network model. a) network layer b) transport layer c) session layer d) data link layer	K2	CO2
	4	Which one is preferred for short distance? a) Un-Guided b) Guided c) Indirect d) Direct	K1	CO2
3	5	Why is digital data not easily affected by noise? a) High power transmission b) Cannot easily change binary 1 to 0 c) High frequency transmission d) Low frequency transmission	K1	CO3
	6	Select the following devices used in the network layer. a) Gateway b)Router c) Repeaters d) All the above	K2	CO3
4	7	Relate valid email address format. a) userName@website@com b) userName.website.com c) userName.website@com d) userName@website.com	K2	CO4
	8	Which of the following is the audio streaming application by Microsoft? a) Hangout b) Skype c) Voice d) All of the mentioned	K1	CO4
5	9	What type of hazard is dust and fumes? a) Physical hazards b) Ergonomic hazards c) Chemical hazards d) Mechanical hazards	K1	CO5
	10	Select the one, in case of an accident, the victim should immediately be _____. a) Asked to take rest b) Enquired about the accident c) Attended to d) Left to himself without treatment	K2	CO5

SECTION - B (35 Mark

Answer **ALL** questions
ALL questions carry **EQUAL** (5x7=35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Outline the uses of Computer Networks.	K2	CO1
		(OR)		
	11.b.	Explain Network Protocols.		
2	12.a.	Identify the three major types of guided transmission media used to transmit data.	K3	CO2
		(OR)		
	12.b.	Identify the types of errors in data transmission.		
3	13.a.	Construct the fundamental distinctions between Analog vs. Digital signal.	K3	CO3
		(OR)		
	13.b.	Organize the primary tasks carried out by the Internet's network layer.		
4	14.a.	Examine DNS in Application layer.	K4	CO4
		(OR)		
	14.b.	Classify the three broad categories of streaming Audio/Video.		
5	15.a.	Examine the important factors which are responsible for safety and occupational health.	K4	CO5
		(OR)		
	15.b.	List out the various safety objectives.		

SECTION -C (30 Marks)

Answer **ANY THREE** questions
ALL questions carry **EQUAL** Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Categorize the different types of Networks.	K4	CO1
2	17	List the functions of each layer in OSI reference model with a neat block diagram.	K4	CO2
3	18	Examine the following: i. Transmitting analog data with analog signals ii. Transmitting analog data with digital signals	K4	CO3
4	19	Examine the working and importance of E-mail system.	K4	CO4
5	20	Discover various safety measures while working on plants.	K4	CO5

Z-Z-Z   END