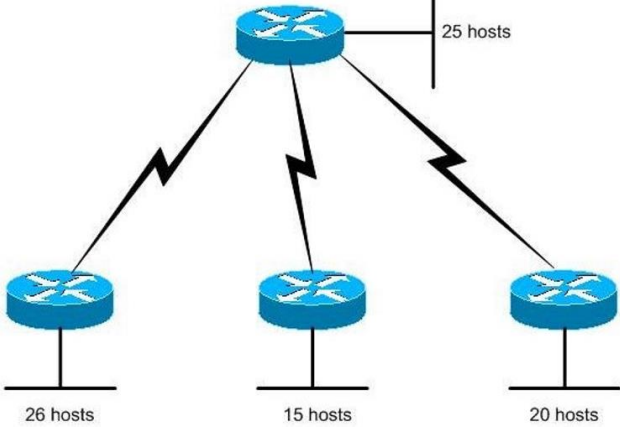
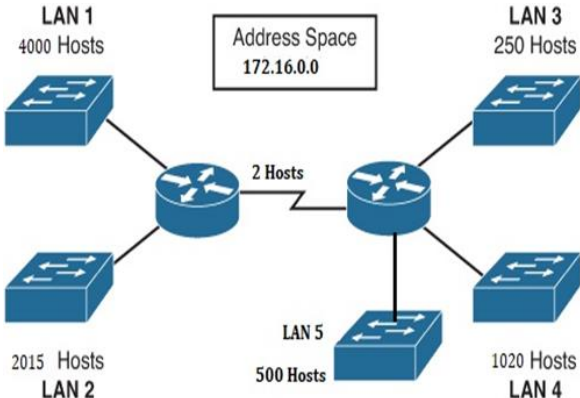




8	Passive hub operates at layer (s) ____ of the OSI model. a) Data link Layer                      b) Network Layer c) Presentation Layer                      d) Physical Layer	1	2	3	1	1.7.1
9	Choose the correct statement(s) about bridge. a) It sends data in form of packets b) It uses routing table c) It works on more than single broadcast domains d) It is used to connect various LANs	1	1	3	1	1.7.1
10	Addresses in a block must be contiguous, one after another is one of the restrictions in _____. a) Private Address                      b) Classful Addressing c) Classless Addressing                      d) Public Address	1	1	3	1	1.7.1
11	Line coding is the process of converting _____. a) digital data to digital signals    b) analog data to digital signals c) digital data to analog signals    d) analog data to analog signals	1	1	4	1	1.7.1
12	The clocks at the sender and the receiver must have the same bit interval is _____. a) DC components                      b) Baseline c) Self synchronization                      d) Encoding	1	1	4	1	1.7.1
13 *	The _____ defines the number of data elements sent in 1s a) data rate    b) signal rate    c) pulse rate    d) message rate	1	1	4	1	1.7.1
14	Choose the correct from the following statements; 1. BPSK has a bandwidth which is lower than that of a BFSK signal. 2. BPSK yields the maximum value of probability of error compared to all the three digital modulation techniques i.e. ASK, FSK and PSK. 3. Binary FSK has the highest system complexity. 4. Binary ASK is demodulated using coherent detection while binary FSK and PSK are demodulated using envelope detection.  a) 1 and 3              b) 1,2 and 4              c) 2 and 3              d) 2, 3 and 4	1	1	4	1	1.7.1
15	Calculate the value of the signal rate for the case "Four data elements per three signal elements" if the data rate is 1 Mbps and $c = 1/2$ . a) 500 Kbaud    b) 1 Mbaud              c) 250 Kbaud    d) 375 Kbaud	1	3	4	2	2.6.3
16	_____ is a technique used to combine and send the multiple data streams over a single medium. a) Multiplexing                      b) Demultiplexing c) Pulse Code Modulation                      d) Delta Modulation	1	1	4	1	1.7.1
17	In _____ same link is used and link is sectioned by time rather than by frequency a) TDM                      b) SDM                      c) CDMA                      d) FDM	1	1	4	1	1.7.1
18	A technique that allocates time slots dynamically is _____. a) TDM    b) WDM    c) Dynamic TDM              d) Statistical TDM	1	1	4	1	1.7.1
19	The _____ scheme has more signal transitions and therefore requires a wider bandwidth a) Ploar NRZ    b) Polar NRZ-I    c) Ploar RZ              d) Polar RZ-I	1	1	4	1	1.7.1
20	The FDM demultiplexer uses a series of _____ to decompose the multiplexed signal into its constituent signals a) guard bands    b) filters                      c) repeaters                      d) amplifiers	1	1	4	1	1.7.1



						
Or						
23. B	<p>Resolve and tabulate the range of addresses, Net ID, Broadcast Address, Subnet Mask for each LAN:</p> 	10	3	3	2	2.6.3
24. A	<p>Explain the Amplitude shift keying mechanism with suitable diagram.</p>	10	2	4	1	1.7.1
Or						
24. B	<p>Explain Time division multiplexing in detail with diagram.</p>	10	2	4	1	1.7.1

#### Course Outcome (CO) and Bloom's level (BL) Coverage in Questions

