KNS INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CSE/ISE

Question Bank for 2nd IA Test

Academic Year: (2020 – 2021)

Semester	5 th 'A' Sec				
Faculty	Mrs. Sowgandhika N	**Subject**		**Subject**	Computer Network &
Date	16/12/2021	**Code**	18CS52	**Name**	Security

COURSE OUTCOMES:

CO 1: Discuss transport layer services and understand UDP & TCP protocols
CO 2: Explain routers, IP and routing algorithms in network layer

The following are the knowledge levels according to Bloom's taxonomy.
L1 Remember **L2 Understand** **L3 Apply** **L4 Analyse** **L5 Evaluate** **L6 Create**

Q:	SYLLABUS : MODULE 2&3 QUESTION	CO	Knowledge level	M
1	With a general format, explain various fields of UDP segment. Explain how checksum is calculated.	CO1	L2,L4	8
2	With a neat diagram, explain working of rdt 1.0	CO1	L1,L2,L4	6
3	With a neat diagram, explain working of rdt 2.0	CO1	L1,L2,L4	8
4	With a neat diagram, explain working of rdt 2.1	CO1	L1,L2,L4	8
5	With a neat diagram, explain working of rdt 3.0	CO1	L1,L2,L4	8
6	With a neat diagram, explain working of Go-Back-N.	CO1	L1,L2,L4	6
7	With a neat diagram, explain working of selective repeat.	CO1	L1,L2,L4	6
8	With a general format, Explain various fields of TCP segment structure.	CO1	L1,L2	9
9	With a diagram, explain the reliable data transfer with few interesting scenarios.	CO1	L1,L2,L4	8
10	With a neat diagram, explain fast retransmit in TCP.	CO1	L1,L2,L4	6
11	With a diagram, explain flow control in TCP.	CO1	L1,L2,L4	6
12	With a diagram, explain connection management in TCP.	CO1	L1,L2,L4	8

13	Explain the following terms: - (i). Sequence Number (ii). Acknowledgement	CO1	L1,L2,L4	4
14	With a diagram, explain four components of router.	CO2	L1,L2,L4	9
15	With a diagram, for each, explain three types of switching fabrics.	CO2	L1,L2,L4	9
16	Explain changes from IPV4 to IPV6.	CO2	L1,L2,L4	4
17	Draw IPV6 datagram format, explain various fields of IPV6.	CO2	L2,L3,L4	9
18	Define routing algorithm, explain three classification of routing algorithm.	CO2	L1,L2,L3	9

Signature of HOD