



**TECNIA INSTITUTE OF ADVANCED STUDIES**  
**NAAC ACCREDITED GRADE "A" INSTITUTE**  
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**1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process**  
**Additional Information**

**Department of Information, Communication and Technology**  
**Academic Session 2021-22**

<b>Program:</b> BCA	<b>Course:</b> Computer Networks	<b>Course Type:</b> Core Theory	<b>Credits:</b> 4
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Lecture No.	Unit No.	Lecture Contents	Lecture Outcome (Student would be able to)	Problem Solving Methodologies	Participative Learning	Experiential Learning	ICT Tools and e - resources	Mapping with / Corresponding CO	Class Material	Additional Material	Mode of Assessment
L1	1	Introduction to computer networks and its components	Understand the basics of computer networks and components of data communication		Lecture through PPT		<a href="https://www.youtube.com/watch?v=InU-Zw3NEEQ&amp;list=PLbRMhDVUMngf-peFloB7kyiA40EptH1up&amp;index=2">https://www.youtube.com/watch?v=InU-Zw3NEEQ&amp;list=PLbRMhDVUMngf-peFloB7kyiA40EptH1up&amp;index=2</a>	CO1	PPT_1	<a href="https://www.ibm.com/topics/networking">https://www.ibm.com/topics/networking</a>	
L2	1	Distributed processing, Line configuration	Describe distributed processing and line configuration techniques in computer networks		Lecture through PPT		<a href="https://aws.amazon.com/what-is/distributed-computing/">https://aws.amazon.com/what-is/distributed-computing/</a>	CO1	PPT_2	<a href="https://www.ibm.com/docs/en/txseries/8.2?topic=overview-what-is-distributed-computing">https://www.ibm.com/docs/en/txseries/8.2?topic=overview-what-is-distributed-computing</a>	Viva Voce
L3	1	Transmission modes	Distinguish among Simplex, Half-Duplex and Full Duplex modes		Lecture through PPT	Role Play	<a href="http://ov.in/gorakhpur/sites/default/files/Gorakhpur/Olevel_ICT_2_14MAY_AB.pdf">ov.in/gorakhpur/sites/default/files/Gorakhpur/Olevel_ICT_2_14MAY_AB.pdf</a>	CO1, CO3	PPT_3	<a href="/Adminpanel/AdminUpload/Studyaterial/Transmission%20Modes%20in%20Computer%20Networks.pdf">/Adminpanel/AdminUpload/Studyaterial/Transmission%20Modes%20in%20Computer%20Networks.pdf</a>	Role Play
L4	1	Bus, Mesh and Tree Network Topologies	Differentiate among Bus, Mesh and Tree topologies	Numerical on number of connections in Mesh topology	Lecture through PPT		<a href="https://fcit.usf.edu/network/chap5/chap5.htm#LinearBusnetwork">https://fcit.usf.edu/network/chap5/chap5.htm#LinearBusnetwork</a>	CO1	PPT_4	<a href="https://www.cse.wustl.edu/~jain/cse567-08/ftp/topology/index.html#mesh_network_topology">https://www.cse.wustl.edu/~jain/cse567-08/ftp/topology/index.html#mesh_network_topology</a>	Numerical Problem
L5	1	Ring, Star and Hybrid Topology	Compare the characteristics of Ring, Star and Hybrid topologies		Lecture through PPT	Role Play	<a href="https://fcit.usf.edu/network/chap5/chap5.htm#StarNetwork">https://fcit.usf.edu/network/chap5/chap5.htm#StarNetwork</a>	CO1	PPT_5	<a href="https://www.cse.wustl.edu/~jain/cse567-08/ftp/topology/index.html#ring_network_topology">https://www.cse.wustl.edu/~jain/cse567-08/ftp/topology/index.html#ring_network_topology</a>	Role Play

L6	1	Types of networks	Distinguish among LAN, MAN, PAN and WAN		Lecture through PPT	<a href="https://www.youtube.com/watch?v=4_zSiXb7tLQ">https://www.youtube.com/watch?v=4_zSiXb7tLQ</a>	<a href="https://fcit.usf.edu/network/chap1/chap1.htm#LocalAreaNetwork">https://fcit.usf.edu/network/chap1/chap1.htm#LocalAreaNetwork</a>	CO1	PPT_6	<a href="https://www.youtube.com/watch?v=0LFNN9DgUR8&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=21">https://www.youtube.com/watch?v=0LFNN9DgUR8&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=21</a>	Questions from Assignment
L7	1	OSI Reference Model	Understand the functionality of the layers of OSI model		Lecture through PPT		<a href="https://www.youtube.com/watch?v=8BK70UDgyrc&amp;list=PLBRMhDVUMngf-peFloB7kyiA40EptH1up&amp;index=5">https://www.youtube.com/watch?v=8BK70UDgyrc&amp;list=PLBRMhDVUMngf-peFloB7kyiA40EptH1up&amp;index=5</a>	CO2	PPT_7	<a href="https://www.youtube.com/watch?v=-6Uoku-M6oY&amp;t=304s">https://www.youtube.com/watch?v=-6Uoku-M6oY&amp;t=304s</a>	
L8	1	TCP/IP Reference Model	Understand the functions of layers in TCP/IP Model		Lecture through PPT	Wireshark Demonstration	<a href="https://www.youtube.com/watch?v=_9QaylSruzo">https://www.youtube.com/watch?v=_9QaylSruzo</a>	CO2	PPT_8		
L9	1	OSI vs TCP/IP Model	Compare and contrast the features of OSI and TCP/IP reference models		Group Discussion		<a href="https://study-ccna.com/osi-tcp-ip-models/">https://study-ccna.com/osi-tcp-ip-models/</a>	CO2			Group Discussion 1
L10	1	Guided Transmission Media	Differentiate between various guided transmission media		Lecture through PPT	Guided Media Demonstration	<a href="https://www.youtube.com/watch?v=fSjU2oE_cmY">https://www.youtube.com/watch?v=fSjU2oE_cmY</a>	CO3	PPT_10		Questions from Assignment
L11	1	Unguided Transmission Media	Compare different types of unguided transmission media		Lecture through PPT		<a href="https://www.ijrti.org/papers/IJRTI1802004.pdf">https://www.ijrti.org/papers/IJRTI1802004.pdf</a>	CO3	PPT_11		
L12	1	Attenuation, distortion, noise, Signal to Noise Ratio (SNR)	Understand the different barriers to communication like Attenuation	Numerical on SNR calculation	Lecture through PPT			CO3	PPT_12		
L13	1	Throughput, propagation speed and time	Differentiate between throughput, propagation speed and time	Numerical on Propagation delay	Lecture through PPT		<a href="https://cse.iitkgp.ac.in/~agupta/networks/2-TransmissionBasics.pdf">https://cse.iitkgp.ac.in/~agupta/networks/2-TransmissionBasics.pdf</a>	CO3	PPT_13		
L14	1	Wavelength and Shannon Capacity	Use Shannon's formula to find maximum capacity	Numerical on Shanon Capacity	Lecture through PPT			CO3	PPT_14		Numerical Problem
L15	1	Revision	Recall the concepts studied in Unit 1		Discussion and Doubt Clearing Session						
L16	2	Frequency Division Multiplexing	Understand the working of Frequency Division Multiplexing		Lecture through PPT		<a href="https://www.youtube.com/watch?v=y2ZQkQZ7DWU">https://www.youtube.com/watch?v=y2ZQkQZ7DWU</a>	CO3, CO5	PPT_16	<a href="http://www.cs.emory.edu/~cheung/Courses/558/Syllabus/11-Fairness/Multiplexing.html">http://www.cs.emory.edu/~cheung/Courses/558/Syllabus/11-Fairness/Multiplexing.html</a>	
L17	2	Wavelength Division Multiplexing	Differentiate the features of WDM and FDM		Lecture through PPT		<a href="https://www.youtube.com/watch?v=KdefSAYPCH4">https://www.youtube.com/watch?v=KdefSAYPCH4</a>	CO3, CO5	PPT_17		

L18	2	Time Division Multiplexing	Distinguish among TDM, FDM and WDM		Lecture through PPT		<a href="https://www.youtube.com/watch?v=udU5ykeHg3c">https://www.youtube.com/watch?v=udU5ykeHg3c</a>	CO3, CO5	PPT_18	<a href="http://www.cs.emory.edu/~cheung/Courses/558/Syllabus/11-Fairness/Multiplexing.html">http://www.cs.emory.edu/~cheung/Courses/558/Syllabus/11-Fairness/Multiplexing.html</a>	Group Discussion 2
L19	2	Circuit switching	Understand circuit switching and analyze its advantages and disadvantages		Lecture through PPT	Role Play		CO3, CO5	PPT_19		
L20	2	Packet switching	Compare packet switching with circuit switching		Lecture through PPT		<a href="https://www.youtube.com/watch?v=A8ePVMlJOCI">https://www.youtube.com/watch?v=A8ePVMlJOCI</a>	CO3, CO5	PPT_20		
L21	2	Message switching	Compare message switching, packet switching and circuit switching		Lecture through PPT		<a href="https://www.youtube.com/watch?v=2eFeXAHGjDI">https://www.youtube.com/watch?v=2eFeXAHGjDI</a>	CO3, CO5	PPT_21		
L22	2	Data Link Layer	Understand the functions of data link layer		Lecture through PPT		<a href="https://www.youtube.com/watch?v=jMvA9mSlwtk">https://www.youtube.com/watch?v=jMvA9mSlwtk</a>	CO2	PPT_22		Viva Voce
L23	2	Framing techniques: Character Count and Bit Stuffing	Implement character count and bit stuffing framing techniques	Question on bit stuffing framing technique	Lecture through PPT		<a href="https://www.youtube.com/watch?v=xh1LWyZf9uo&amp;list=PLM-jfaoaU5izLzA9oShVBFdGFfY_VLpI&amp;index=16">https://www.youtube.com/watch?v=xh1LWyZf9uo&amp;list=PLM-jfaoaU5izLzA9oShVBFdGFfY_VLpI&amp;index=16</a>	CO5	PPT_23	<a href="https://www.youtube.com/watch?v=JHGkHR_YSKc">https://www.youtube.com/watch?v=JHGkHR_YSKc</a>	
L24	2	Framing techniques: Byte Stuffing and Coding Violations	Implement Byte stuffing and Coding Violations framing technique	Question on byte stuffing method	Lecture through PPT		<a href="https://www.youtube.com/watch?v=JHGkHR_YSKc">https://www.youtube.com/watch?v=JHGkHR_YSKc</a>	CO5	PPT_24		
L25	2	Error detection methods: One bit and two bit parity check	Perform error detection through one bit parity check and two-bit parity check methods	Numerical on Parity bit calculation	Lecture through PPT		<a href="https://www.youtube.com/watch?v=5pNJKPyeMFQ&amp;list=PLM-jfaoaU5izLzA9oShVBFdGFfY_VLpI&amp;index=4">https://www.youtube.com/watch?v=5pNJKPyeMFQ&amp;list=PLM-jfaoaU5izLzA9oShVBFdGFfY_VLpI&amp;index=4</a>	CO5	PPT_25		Numerical Problem
L26	2	Error detection methods: Cyclic Redundancy Check and Checksum	Perform error detection using CRC and Checksum techniques	Numerical on CRC calculation	Lecture through PPT		<a href="https://www.cse.iitb.ac.in/~sri/cs348/cs348-lec8-ErrorDetection-2012.pdf">https://www.cse.iitb.ac.in/~sri/cs348/cs348-lec8-ErrorDetection-2012.pdf</a>	CO5	PPT_26		
L27	2	Error correction methods: Hamming Code	Implement error correction using Hamming Code technique	Numerical on Hamming Code	Lecture through PPT		<a href="https://www.youtube.com/watch?v=7-ai7ELuj3I&amp;list=PLM-jfaoaU5izLzA9oShVBFdGFfY_VLpI&amp;index=9">https://www.youtube.com/watch?v=7-ai7ELuj3I&amp;list=PLM-jfaoaU5izLzA9oShVBFdGFfY_VLpI&amp;index=9</a>	CO5	PPT_27	<a href="https://cse.iitkgp.ac.in/~ksrao/pdf/iti-18/slide-3.pdf">https://cse.iitkgp.ac.in/~ksrao/pdf/iti-18/slide-3.pdf</a>	

L28	2	Flow control	Understand the basics of flow control and differentiate between its two types		Lecture through PPT		<a href="https://www.youtube.com/watch?v=TrgZ7_L525w">https://www.youtube.com/watch?v=TrgZ7_L525w</a>	CO3	PPT_28		Viva Voce
L29	2	Stop & wait ARQ protocol	Understand the stop & wait ARQ protocol		Lecture through PPT	Role Play	<a href="https://www.youtube.com/watch?v=jQakTxK9oE4&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=5">https://www.youtube.com/watch?v=jQakTxK9oE4&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=5</a>	CO5	PPT_29	<a href="https://www.youtube.com/watch?v=v5zT-tp9P_I&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=6">https://www.youtube.com/watch?v=v5zT-tp9P_I&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=6</a>	Role Play
L30	2	Selective repeat ARQ protocol	Understand selective repeat ARQ protocol		Lecture through PPT		<a href="https://www.cse.iitb.ac.in/~sri/cs348/cs348-lec7-SlidingWindow-2012.pdf">https://www.cse.iitb.ac.in/~sri/cs348/cs348-lec7-SlidingWindow-2012.pdf</a>	CO5	PPT_30	<a href="https://www.youtube.com/watch?v=9zAI8Z-aREk&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=8">https://www.youtube.com/watch?v=9zAI8Z-aREk&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=8</a>	
L31	2	Go-Back- NARQ protocol	Understand Go-Back- NARQ protocol		Lecture through PPT		<a href="https://www.youtube.com/watch?v=bi_GVYM2EYQ&amp;list=PLM-">https://www.youtube.com/watch?v=bi_GVYM2EYQ&amp;list=PLM-</a>	CO5	PPT_31		
L32	2	Revision	Recall the concepts studied in Unit 2		Discussion and Doubt Clearing Session						
L33	3	Network Layer	Understand the functionality of Network layer in the reference model		Lecture through PPT		<a href="https://www.youtube.com/watch?v=OBZ3AWZqfPM&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=30">https://www.youtube.com/watch?v=OBZ3AWZqfPM&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=30</a>	CO2	PPT_33	<a href="https://www.youtube.com/watch?v=vjGOvMDbyjQ&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=31">https://www.youtube.com/watch?v=vjGOvMDbyjQ&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=31</a>	Viva Voce
L34	3	Repeaters and Hubs	Compare the function of repeaters and hub		Lecture through PPT			CO1	PPT_34		
L35	3	Bridges and Switches	Compare the function of bridges and switches		Lecture through PPT		<a href="https://www.youtube.com/watch?v=teWamog0iuk">https://www.youtube.com/watch?v=teWamog0iuk</a>	CO1	PPT_35		
L36	3	Router and Gateway	Understand the functions of router and gateways		Lecture through PPT	Demonstration		CO1	PPT_36		
L37	3	Modems	Understand the working of a MODEM		Lecture through PPT			CO1	PPT_37		
L38	3	Addressing: IPv4 and IPv6 addressing	Understand Classful addressing	Numerical on Classful addressing	Lecture through PPT	Wireshark Demonstration	<a href="https://www.youtube.com/watch?v=hJpD8JYe2dM&amp;list=PLM-jfaoaU5iwyJ2YHYQtsJ4Q2Jjtwlx-&amp;index=6">https://www.youtube.com/watch?v=hJpD8JYe2dM&amp;list=PLM-jfaoaU5iwyJ2YHYQtsJ4Q2Jjtwlx-&amp;index=6</a>	CO4	PPT_38	<a href="https://www.youtube.com/watch?v=WarLURKAUKs&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=2&amp;t=160s">https://www.youtube.com/watch?v=WarLURKAUKs&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=2&amp;t=160s</a>	Question from Mini Project
L39	3	IPv4 subnetting	Implement subnetting for Class A, Class B and Class C	Numerical on calculation of subnet mask	Lecture through PPT			CO4	PPT_39		Numerical Problem

L40	3	IPv4 subnetting			Lecture through PPT			CO4	PPT_40		
L41	3	Routing and its types	Understand the basics of routing		Lecture through PPT		<a href="https://www.youtube.com/watch?v=B_gWddn12GI&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=32">https://www.youtube.com/watch?v=B_gWddn12GI&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=32</a>	CO4	PPT_41		Viva Voce
L42	3	Routing Information Protocol	Understand the working of Routing Information Protocol		Lecture through PPT			CO4	PPT_42		
L43	3	Open Shortest Path First	Explain Open Shortest Path First (OSPF)	Questions on OSPF protocol	Lecture through PPT		<a href="https://www.youtube.com/watch?v=gkkbJrF7IMg&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=33">https://www.youtube.com/watch?v=gkkbJrF7IMg&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=33</a>	CO4	PPT_43		
L44	3	Border Gateway Protocol	Describe Border Gateway Protocol (BGP)		Lecture through PPT			CO4	PPT_44		
L45	3	Static and Dynamic Routing	Compare Static and Dynamic Routing		Lecture through PPT			CO4	PPT_45		
L46	3	Distance vector routing protocol	Understand the features of Distance vector routing protocol		Lecture through PPT		<a href="https://www.youtube.com/watch?v=dmS1t2twFrI">https://www.youtube.com/watch?v=dmS1t2twFrI</a>	CO4	PPT_46	<a href="https://www.youtube.com/watch?v=c_06mcZ56js&amp;list=PLM-">https://www.youtube.com/watch?v=c_06mcZ56js&amp;list=PLM-</a>	
L47	3	Link state routing protocol	Understand the working of Link State Routing protocol		Lecture through PPT		<a href="https://www.youtube.com/watch?v=CPyatRMMaMA&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=25">https://www.youtube.com/watch?v=CPyatRMMaMA&amp;list=PLM-jfaoaU5izLzA9oShVBFDgFifY_VLpl&amp;index=25</a>	CO4	PPT_47	<a href="https://www.youtube.com/watch?v=dINbkkxHY4U">https://www.youtube.com/watch?v=dINbkkxHY4U</a>	
L48	3	Revision	Recall the concepts studied in Unit 3								
L49	4	Transport layer	Understand the use of transport layer in the reference model		Lecture through PPT		<a href="https://www.youtube.com/watch?v=gYP4RWRBv_4&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=50">https://www.youtube.com/watch?v=gYP4RWRBv_4&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=50</a>	CO2	PPT_49		Viva Voce
L50	4	Transport layer functions	Describe various functions of transport layer		Lecture through PPT		<a href="https://www.youtube.com/watch?v=UpEs1P5ueIQ&amp;list=PLM-jfaoaU5iwyJ2YHYQySj4Q2lJtwlx-&amp;index=11">https://www.youtube.com/watch?v=UpEs1P5ueIQ&amp;list=PLM-jfaoaU5iwyJ2YHYQySj4Q2lJtwlx-&amp;index=11</a>	CO2	PPT_50	<a href="https://www.youtube.com/watch?v=wQ4_N73du00">https://www.youtube.com/watch?v=wQ4_N73du00</a>	

L51	4	Transmission Control Protocol	Understand the features and format of TCP		Lecture through PPT	Wireshark Demonstration		CO3	PPT_51		Question from Mini Project
L52	4	User Datagram Protocol	Compare and contrast the features of UDP with TCP		Lecture through PPT	Wireshark Demonstration	<a href="https://www.youtube.com/watch?v=MTLNqCWtGf0&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=10">https://www.youtube.com/watch?v=MTLNqCWtGf0&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=10</a>	CO3	PPT_52		
L53	4	Connection management	Understand the concept of TCP handshake in connection management		Lecture through PPT		<a href="https://www.youtube.com/watch?v=7-NhvKMrrgc&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=12">https://www.youtube.com/watch?v=7-NhvKMrrgc&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=12</a>	CO3	PPT_53	<a href="https://www.youtube.com/watch?v=y8WQ7zo3KhE&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=51">https://www.youtube.com/watch?v=y8WQ7zo3KhE&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=51</a>	
L54	4	Session layer	Understand the functions of session layer		Lecture through PPT			CO2			Viva Voce
L55	4	Presentation layer	Describe functions and responsibilities of presentation layer		Lecture through PPT	Wireshark Demonstration		CO2			
L56	4	Application layer	Understand the functions and responsibilities of application layer		Lecture through PPT		<a href="https://www.youtube.com/watch?v=axK1d0bzbyl&amp;list=PLQgOKy0AIWh889Ex0LIVo">https://www.youtube.com/watch?v=axK1d0bzbyl&amp;list=PLQgOKy0AIWh889Ex0LIVo</a>	CO2			
L57	4	Domain Name Server	Understand the working of Domain Name Server		Lecture through PPT	<a href="https://www.youtube.com/watch?v=kPlxqSpWU50&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=11">https://www.youtube.com/watch?v=kPlxqSpWU50&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=11</a>	<a href="https://www.youtube.com/watch?v=ntasG1TWCAE&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=3">https://www.youtube.com/watch?v=ntasG1TWCAE&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=3</a>	CO3		<a href="https://www.youtube.com/watch?v=sISdGU-isd&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=4">https://www.youtube.com/watch?v=sISdGU-isd&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=4</a>	Question from Mini Project
L58	4	Email, HTTP and HTTPS	Understand the basics of email and the difference between HTTP and HTTPS		Lecture through PPT	<a href="https://www.youtube.com/watch?v=whnPcd-h82A&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=16">https://www.youtube.com/watch?v=whnPcd-h82A&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=16</a>	<a href="https://www.youtube.com/watch?v=chzCgHdr6G4&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=41">https://www.youtube.com/watch?v=chzCgHdr6G4&amp;list=PLM-jfaoaU5iwyJ2YHYQtySj4Q2Jtwlx-&amp;index=41</a>	CO3		<a href="https://www.youtube.com/watch?v=DiOrcmsEO6w&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=13">https://www.youtube.com/watch?v=DiOrcmsEO6w&amp;list=PLQgOKy0AIWh889Ex0LIVoQDw57tgGEY2x&amp;index=13</a>	
L59	4	Revision	Recall the concepts studied in Unit 3		Discussion and Doubt Clearing Session						
L60	1,2,3,4	Revision	Revision of complete course	Solving questions from previous year papers	Discussion on questions from previous year papers						