

	<b>5.4</b>	multimedia transport across IP networks and relevant protocols such as RSVP, RTP, RTCP, DVMP, Signalling Protocols: Real-Time Streaming Protocol (RTSP) ,Multimedia across wireless- (Mobiles Networks – Broadcasting Networks – Digital Television infrastructure for interactive multimedia services)	
<b>6.0</b>		<b>Quality of Services (QoS)</b>	<b>08</b>
	<b>6.1</b>	Integrated services (intserv): Architecture and Service Model, Resource Reservation Protocol (RSVP), Packet Scheduling Disciplines in the Internet	
	<b>6.2</b>	Differentiated Services (diffserv): Framework and Concept, Assured and Expedited Services, Packet Classification, Routers Internals and Packet Dropping Techniques	
		<b>Total</b>	<b>48</b>

### Text Books :

1. B. Forouzan, —*TCP/IP Protocol Suite*ll, 4th Edition, McGraw-Hill Publication
2. K. R. Rao, Zaron S. Bojkovic, Dragorad A. Milocanovic, Multimedia Communication Systems, Prentice Hall India, 2002. ISBN: 81-203-2145-6.

### References:

1. Steve Heath, Multimedia and Communication Technology, Second Edition, Focal Press, 2003.
2. ISBN: 81-8147-145-8. Ted Wallingford, —*Switching to VoIP*ll, Oreilly Publication
3. Fred Halsall, “Multimedia Communications”, Pearson education, 2001
4. K. R. Rao, Zoran S. Bojkovic, Dragorad A. Milovanovic, “Multimedia Communication Systems”, Pearson education, 2004
5. Raif steinmetz, Klara Nahrstedt, “Multimedia: Computing, Communications and Applications”, Pearson education, 2002
6. Tay Vaughan, “Multimedia: Making it Work”, 6th edition, Tata McGraw Hill, 2004
7. Pallapa Venkataram, “Multimedia information systems”, Pearson education (InPress),2005.
8. Multimedia Communication Techniques and Standards

### Internal Assessment:

Assessment consists of two class tests of 20 marks each. The first class test is to be conducted when approximately 40% syllabus is completed and second class test when additional 40% syllabus is completed. The average marks of both the test will be considered for final Internal Assessment. Duration of each test shall be of one hour.

### End Semester Examination:

1. Question paper will comprise of 6 questions, each carrying 20 marks.
2. The students need to solve total 4 questions.
3. Question No.1 will be compulsory and based on entire syllabus.
4. Remaining question (O.2 to O.6) will be selected from all the modules.