



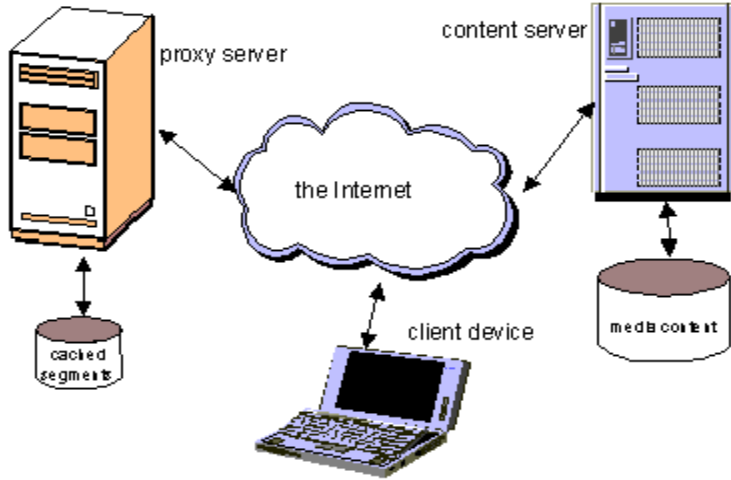
End Semester Examination – Nov/Dec – 2016

Code : **14CS2041**
Sub. Name : **IPTV and Internet Video**

Semester : **2016-17 ODD**
Duration : **3hrs**
Max. marks : **100**

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Explain in detail about the typical software capabilities. (OR)	(CO1)	(20)
2.	a.	Explain the concept of IP Network Flexibility, IP cost advantages, Ip Ubiquity.	(CO1)	(10)
	b.	Brief about Network Jitters and Pioneer Syndrome.	(CO1)	(10)
3.	a.	What are the system operators have two choices for handling EPG functions?	(CO1)	(10)
	b.	Explain from the architecture shown below, how does the internet video function.	(CO1)	(10)
(OR)				
4.	a.	Explain the concept of Unicasting vs. Multicasting.	(CO1)	(10)
	b.	How is Internet Video System been constructed?	(CO1)	(10)
5.	a.	What are the various key parts of an IP Network? Explain them in detail.	(CO1)	(10)

	b.	Describe the reality check on Canby Telecom – System Construction, Services offered, Investment and their results	(CO1)	(10)
(OR)				
6.	a.	How is MPEG been established? Explain the various types of MPEG types.	(CO1)	(20)
7.	a.	Explain in detail about the Video servers and their usage in real time.	(CO1)	(10)
	b.	What is the difference between advertising servers and live streaming servers.	(CO1)	(10)
(OR)				
8.	a.	What is meant by bandwidth for a triple play – “HD future”.	(CO1)	(10)
	b.	Explain the functioning of various video and audio outputs.	(CO1)	(10)
<u>Compulsory:</u>				
9.	a.	Compare and Contrast IPTV and Streaming Comcept.	(CO1)	(10)
	b.	Explain from the architecture, streaming system architecture in detail	(CO1)	(10)
 <pre> graph TD CS[content server] <--> I((the Internet)) I <--> PS[proxy server] PS <--> CS PS <--> CS_S[(cached segments)] CS <--> MC[(media content)] I <--> CD[client device] </pre> <p>The diagram illustrates the architecture of a streaming system. It features a central cloud labeled 'the Internet'. To the left, an orange 'proxy server' is connected to the Internet cloud and a 'cached segments' database. To the right, a blue 'content server' is connected to the Internet cloud, a 'media content' database, and the proxy server. At the bottom, a 'client device' (represented by a laptop) is connected to the Internet cloud. Bidirectional arrows indicate the flow of data between all connected components.</p>				

ALL THE BEST