2014-15
M.TECH. AUTUMN (III SEMESTER) EXAMINATION
COMPUTER SCIENCE & ENGINEERING
INTERNET TECHNOLOGIES
CO-607

Maximum Marks: 60  Credits: 04  Duration: Three Hours

Answer all the questions. Assume suitable data if missing. Notations used have their usual meaning.

Q.No.  Question  M.M.
1(a)  What are stream torrents? Give suitable examples to support your answer.  [08]
1(b)  Differentiate between HTML, DHTML, VRML, SGML and XML. Are there any other markup languages?  [07]

OR

1(b') Explain in detail audio streaming and video streaming. What are the different protocols associated with them. Give suitable examples.  [07]

2(a)  What is the difference between an ISP and an Internet Data Centre (IDC)? Explain in detail the working of a Content Delivery Network (CDN).  [08]
2(b)  Explain in detail about HTTP and its variants.  [07]

OR

2(b') Differentiate between Internet servers and proxy servers. What are the different types of Internet servers and proxy servers?  [07]
3(a)  Differentiate between 3G and 4G mobile communication technologies. How is data delivered on both networks to the end user? What are the current standards dictated by 3GPP for HSPA+ and LTE- Advanced?  [08]
3(b)  What are browser plugins? How do they assist in the webpages?  [07]

OR

3(b') Compare the different type of browsers: Chrome, Firefox, Internet Explorer, Safari, Netscape, Opera, and Torch. How are they different from text based browsers. Name a text based browser.  [07]
4(a)  With the help of a suitable network diagram discuss in detail the working of a firewall. How are they classified? At what layer of the OSI layer do firewalls operate?  [08]

OR

4(b') What is performance benchmarking the Web?  [07]