

Roll No.

23069

**M.Tech. 1st Semester
(Computer Engg.) Examination-
December, 2016**

INTERNET & WEB DEVELOPMENT

Paper : MTCE 607-A(A)

Time : 3 hours

Max. Marks : 100

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

Note : Attempt any **five** questions. Q. No. 1 is **compulsory**.

1. (a) What is the difference between Network Layer Delivery and Transport Layer Delivery ? (5)
- (b) What is the difference between HTTP and HTTPS ? (5)
- (c) What is web browser ? (5)
- (d) Differentiate between HTML and XML. (5)

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(1)

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2. (a) Draw the OSI/ISO Reference Model Architecture and list the main functions of each layer. (10)
- (b) Give two examples of each where connection-oriented and connection-less service is best suited. (10)
3. What is Routing ? Differentiate between adaptive and non-adaptive routing. Explain any one adaptive and one non-adaptive routing protocol. (20)
4. What is Apache Web Server ? Discuss the features, performances, licensing and the installation steps of Apache Web Server. (20)
5. (a) What is Web Crawler ? How does a Web Crawler work ? (10)
- (b) Differentiate between Scalable and incremental Web Crawler. (10)
6. (a) Give some major differences between HTML and HTML-5. (10)
- (b) Write short note on ASP.net. (10)
7. What are the different security and management issues involved in creating a website ? (20)
8. (a) What is the difference between b/w PPP and SLIP protocols ? (10)
- (b) What are bridges and gateways ? Explain their functions briefly. (10)