Sl. No.

B4.5 R4 - INTERNET TECHNOLOGY AND WEB SERVICES

NOTE :
1. Answer question 1 and any FOUR from questions 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time : 3 Hours   **Total Marks : 100**

1.   Answer the following :
   (a)   Differentiate between Routers and Gateways.
   (b)   What is a difference between the web browsers and web servers ?
   (c)   How JSP pages are different than ASP pages ?
   (d)   What are Distributed objects ? Explain with an example.
   (e)   Define Multicasting and give uses of it.
   (f)   What is LAMP ? Explain its use.
   (g)   Explain the difference in Authentication and Authorisation.   **(7x4)**

2.   (a)   What is IP Addressing ? Explain the two forms of IP Address - IPv4 and IPv6 addresses.
   (b)   Explain different methods of delivery with suitable example.
   (c)   Explain the role of DNS in detail.   **(6+6+6)**

3.   (a)   What are the difference between 2-Tier and 3-Tier Architecture ?
   (b)   Explain how JSP is similar and different from Java Servlets ?
   (c)   What role ActiveX play in server side programming ?   **(6+6+6)**

4.   (a)   What is the format of SOAP message ? Explain with a help of an example.
   (b)   Explain the structure and elements of WSDL file.
   (c)   Why are UDDI required in service oriented architecture ?   **(6+6+6)**

5.   (a)   What is the difference between RTP and RTCP ?
   (b)   What is Virtual Reality ? Explain with an example.
   (c)   How is GIF format different from JPEG format ?   **(6+6+6)**

6.   (a)   Discuss some of the important security attacks and threats.
   (b)   How digital certificates are obtained ? How they help to maintain the privacy of data ?
                                                                                              (9+9)

7.   Write Short notes on **any three** of the following :
   (a)   Non Repudiation
   (b)   Multimedia Compression
   (c)   XML
   (d)   SNMP   **(6+6+6)**

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