

N.B. : N.B : (1) Question No.1 is compulsory.

(2) Solve any *four* questions from the remaining six questions.

- Q.NO:1)** A) What are streaming technologies? Explain streaming media architecture using point to point connection & broadcasting infrastructure. (10 marks)
- B) Explain functional design for web applications. (10 marks)
- Q.NO:2)** A) Explain test approaches with characteristics for web application. (10 marks)
- B) What are the advantages & disadvantages of automated tests. (05 marks)
- C) Explain objectives of load, stress & continuous testing. (05 marks)
- Q.NO:3)** A) Explain interaction design by considering User Interaction aspect for web application. (06 marks)
- B) Define web application & web Engineering. (04 marks)
- C) Explain different categories of web application by giving suitable example. (10 marks)
- Q.NO:4)** A) Explain in detail content modeling & access modeling with diagram (10 marks)
- B) Explain XML DOM & XML schemas with example. (10 marks)
- Q.NO:5)** A) Explain client side technologies. (10 marks)
- B) Explain following web services in details. (i) SOAP (ii) WSDL (iii) UDDI (10 marks)
- Q.NO:6)** A) Define requirements engineering & explain requirements engineering activities for web application. (10 marks)
- B) List project risks in web project according to J. Nielsen. (05 marks)
- C) Explain tasks involved in risk management. (05 marks)
- Q.NO:7)** A) Explain with diagram basic components of web application architecture. (10 marks)
- B) Explain struts with diagram. (05 marks)
- C) Explain hypertext structure. (05 marks)