

Sem VI / I.T / CBGS / AIT / NOV-16 / 20-12-16
Advance Internet Tech. Q.P. Code : 595100

(3 Hours)

[Total Marks :80



- N.B. :** (1) Question No 1 is compulsory; solve any 3 questions from remaining 5 questions.
(2) Assume suitable data wherever necessary.
(3) **Figures** to the **right** indicate **full** marks.

1. (a) How does a search engine works ? Also describe architecture of Search Engine ? 10
(b) What you understand by web services. Make a general diagram for any application involving web services. It should show various technologies/tools used for creating such applications. 10
2. (a) Draw the diagram for AJAX application model and traditional web application model and compare them. 10
(b) Write the code in JavaScript to open a new window when a link on a page is clicked. The new window opened, is closed by placing a button on the window and writing JavaScript code on the On Click event of the button. 10
3. (a) What do you mean by XML? What are its Differences and similarities from HTML & CSS? Also explain the concept of Entities & Attributes in XML? 10
(b) What are the two methods in Ajax to update part of web page? Describe them in detail. 10
4. (a) Describe the significance and working of WSDL with an example. 10
(b) Explain the following AJAX patterns with one example. 10
a. Submission throttling b. Predictive fetch c. Fallback patterns.
5. (a) What is DOM? Draw the detailed DOM objects structure. Explain with its usage. 10
(b) What do you mean by JSON? Why Use JSON over XML? 10
6. (a) What are the advantages/disadvantages of the various style methods ? 5
(b) What is media query ? How is a media query used ? 5
(c) Define and describe mash ups. What are the primary reasons for the success of mashups ? 5
(d) What are the characteristics of REST WSs ? 5