

(3 Hours)

[Total Marks: 80]

NOTE: Question No 1 is compulsory
Attempt any three questions from remaining.
Assume suitable data if necessary.

Q1. A) Explain in detail Responsive Web Design using HTML5 and CSS3 with an example. [10]

B) Explain in detail JSON Mashup with neat diagram. [10]

Q2. A) Explain in detail WS-Reliable Messaging? [10]

B) Create a web page to show how you can apply the transformation effects so that the image rotates by 150 degree. Assume suitable parameters if required. [10]

Q3. A) Explain in detail A/B testing and multivariate testing for testing websites. [10]

B) Discuss in detail different website design issues. [10]

Q4. A) Define DOM. Explain in detail Node tree for HTML Document. Also explain the different levels of DOM. [10]

B) Explain in detail AJAX web application model with neat diagram. [10]

Q5. A) Explain in detail the semantic web stack. [10]

B) Comparison between Open Source Frameworks of Django, Drupal and Joomla? [10]

Q6. Write short notes. [20]

- a) RDFS
- b) SOAP
- c) REST-ful web services
- d) Web Service Architecture