

Total No. of Pages: 02

B. Tech. (SE)

Supplementary Examination

SE-205 WEB TECHNOLOGY

Time: 3hrs

Roll No. ... ..

Third Semester

(Feb 2019)

Max. Marks: 50

Note: Question No. 1 is compulsory. Answer any 4 from the rest.  
Assume suitable missing data if any.

- Q1. Differentiate between the following: - (2x5=10)
- a) Push protocol and Pull protocol
  - b) Social Web and Semantic Web
  - c) Webpage and Web-App
  - d) Persistent HTTP and Non-persistent HTTP
  - e) Precision and Recall

- Q2. a) What is the "Service" view of Internet? Explain any two services in detail with the Internet protocols used in it. (5)
- b) Which hierarchical application layer service acts as a phone book for mapping URLs to IP addresses? (5)

- Q3. a) Create an html page containing 5 style tags. (5)
- b) Write a JavaScript program to implement an odd/even number check. (5)

- 
- Q4. a) How is an index created in a typical Web IR system? (5)

OR

Define Sentiment Analysis task tuple. Why machine-learning based techniques are preferred over the lexicon-based techniques? (5)

- b) How is ranking done in a typical Search Engine? What do you understand by the intrinsic "filtering" measure, TF-IDF? (5)
-

Q5. a) Describe the evolution of Web and the challenges associated with Web (5)

b) Write short-notes on any *two*: (2x2.5=5)

- (i) Server-side Technologies
- (ii) Request message in HTTP
- (iii) Advantages & Disadvantages of Cascading Style Sheets.
- (iv) Built-in functions in JavaScript

Q6. a) Fetching something over the network is both slow and expensive. What can be done to improve the Quality of Service (QoS) of the web servers? (5)

b) What is User Profile Modeling in Contextual IR? (5)

OR

What is the MVC architecture of Web development? Describe the same for a sample Django application. (5)