

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -1 EXAMINATION- September 2017
B. Tech V Semester (IT)

COURSE CODE: 10B22CI521

MAX. MARKS: 15

COURSE NAME: Web Application Engineering

COURSE CREDITS: 4

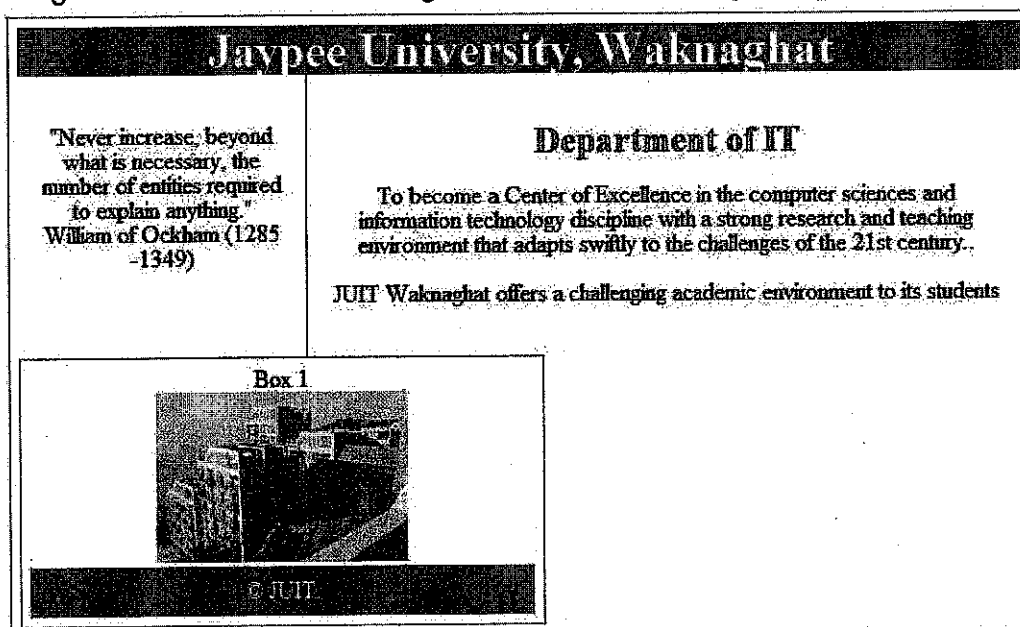
MAX. TIME: One Hr

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

Ques 1 [2 +1 = 3 Marks] Explain the working principle of Google search engine in brief and how it differs from other important search engines?

Ques 2 [1+1+1 =3 Marks] Explain the functioning of 3-tier web architecture and how the HTTP request is handled by CGI Application Server? Also, discuss the advantages of higher level architecture over lower level architecture in brief.

Ques 3 [1+2 =3 Marks] List the main limitations of CSS. Develop the given below web page using HTML and CSS according to need



Ques 4 [2 Marks] An ISP is granted a block of addresses starting with 120.60.4.0/22. The ISP wants to distribute these blocks to 100 organizations with each organization receiving just eight addresses. Design the sub-blocks and give the slash notation for each sub-block. Find out how many addresses are still available after these allocations.

Ques 5 [4 Marks] Write the short notes on following

- File Transfer Protocol
- Web Development Life Cycle process