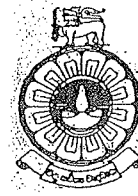


THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. (IT) DEGREE PROGRAMME – LEVEL 05
DEPARTMENT OF COMPUTER SCIENCE
ITU5308 – WEB TECHNOLOGY
FINAL EXAMINATION – 2023/2024
DURATION: TWO HOURS (2 HOURS)



0035

Date: 08.12.2024

Time: 01.30 p.m. – 03.30 p.m.

ANSWER FOUR (04) QUESTIONS ONLY.

QUESTION 01 – 25 Marks

- 1.1. What is the difference between a computer network and the Internet?
- 1.2. How a web site function without DNS, and what challenges it would arise?
- 1.3. Why is a web client necessary for browsing the internet?
- 1.4. How does web server-client communication take place?
- 1.5. How does web server-client communication involve DNS?

QUESTION 02 – 25 Marks

- 2.1. What are HTML tags?
- 2.2. What is the difference between HTML tags and HTML elements?
- 2.3. What are HTML attributes of an element?
- 2.4. What is the style attribute, and how is it used in HTML?
- 2.5. What is the difference between block-level and inline elements in HTML?

QUESTION 03 – 25 Marks

- 3.1. What is the difference between inline, internal, and external CSS?
- 3.2. What is the difference between the ID and class attributes in CSS?
- 3.3. What is the difference between margin, padding, and border in CSS?
- 3.4. What is CSS Grid?
- 3.5. What is mobile responsive design in CSS?

QUESTION 04 – 25 Marks

- 4.1. Why is JavaScript important in web development?
- 4.2. How can you get the output of JavaScript?
- 4.3. How does JavaScript interact with CSS?
- 4.4. How does JavaScript integrate with HTML?
- 4.5. What is AJAX and how does it work

QUESTION 05 – 25 Marks

- 5.1. Why server-side scripting languages are important?
- 5.2. Explain the login action on a website.
- 5.3. What are database-driven websites? Explain the concept of a database record instead of an HTML file.
- 5.4. Explain Ajax and its role in dynamic content.
- 5.5. Explain web pages, hyperlinks, and websites.

QUESTION 06 – 25 Marks

- 6.1. How to add comments in JavaScript?
- 6.2. What is the usage of comments in web development?
- 6.3. What is web hosting?
- 6.4. Why do we consider a hosting provider to host our websites?
- 6.5. What is bandwidth ?

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