Pune Institute of Computer Technology

Department of Information Technology

QUESTION BANK (QB) EVALUATION PARAMETERS

[REVIEWERS ARE EXPECTED TO GO THROUGH THE SYLLABUS AND ENSURE COVERAGE OF FOLLOWING PARAMETERS IN THE QUESTION BANK]

Academic Year – 2024-25 Sem-II

UNIT TEST – I

S.N.	PARAMETER
1	QB is expected to be based on syllabus covered
2	It is expected to have minimum 10 questions per unit
3	Questions are expected to be diversified covering definitions, short answers, long answered, descriptive, numerical, case study based, logic based and remaining applicable aspects
4	All questions are expected to cover applicable blooms taxonomy levels
5	All questions are expected to be framed using applicable blooms taxonomy keywords
6	If test involves quantitative problem solving, then it is expected that question setter has ensured that the given problem solving is not much time-consuming as compared to allotted timing.
7	It is expected that questions are adequately balanced to address all the performers

Subject: Web Application Development   **Subject Code: 314453**

UT-1 Question Bank [A.Y. 2024-25, SEM-II]

Unit-01: INTRODUCTION TO WEB TECHNOLOGIES

Q. No.	Question	Marks	Bloom's Level	Reviewer's Remark
1	Explain any 5 tags used in HTML with their attributes	5	L6	
2	Discuss the importance of semantic HTML5 elements in web development. Provide examples of semantic elements and explain how they contribute to improving accessibility and SEO.	5	L2, L4	
3	Create a sample HTML code demonstrating the use of headings list, links, tables, and images.	5	L6	
4	Differentiate between tags and elements in HTML. Provide examples to illustrate your explanation.	5	L5	
5	Describe the significance of HTML in modern web development. Discuss its role in structuring web pages and its importance.	5	L3, L4	
6	What are different types of CSS? Explain each with examples.	5	L4	
7	What is a style sheet? How to create a multi colour text on a web page using CSS?	5	L4,L5	
8	What is the importance of CSS selectors? Where do you use them?	5	L4,L5	
9	What are the ways of inserting CSS in the HTML page? Explain with example.	5	L4,L5	
10	What is the difference between a class and an ID?	5	L4,L5	
11	Write a note on Bootstrap Grid system.	5	L4	

12	Explain any two bootstrap components.	5	L6	
13	Differentiate between CSS and Bootstrap.	5	L4	
14	What is responsive Bootstrap.	5	L4	
15	What is W3C? list the advantages and disadvantages.	5	L4,L5	
16	How W3C handles/Supports Web Technologies.	5	L6	

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UT-1 Question Bank [A.Y. 2024-25, SEM-II]

Unit-02: WEB SCRIPTING LANGUAGES

Q. No.	Question	Marks	Bloom's Level	Reviewer's Remark
1	What is Async-await? Explain with example	5	L4,L5	
2	Explain JavaScript objects in detail.	5	L6	
3	Explain disadvantage of using callback function and how it can overcome using promises with example.	8	L5	
4	Discuss JavaScript events and their significance in web development. Explain how events are handled in JavaScript	8	L2,L4,L5	
5	Describe arrays in JavaScript. Discuss how arrays are declared, initialized, and manipulated in JavaScript, providing examples to illustrate each operation.	8	L2,L4	
6	Write HTML code for accepting userID and password from user to ensure the input is not empty	5	L3,L6	
7	What is JSON file format and explain the usage of JSON.	8	L2,L4	
8	Which is better XML or JSON? Why?	5	L4,L5	
9	Explain how to transform JSON text to a JavaScript object? Explain JSON Parser	8	L5	
10	Explain data types supported by JSON? What is the role of JSON.stringify?	8	L5	
11	Write short note on AJAX based web application architecture.	5	L2,L4	
12	What is the use of XMLHttpReuqest Object?	5	L2	
13	Explain its use with the help of simple JavaScript code.	5	L4	

14	Explain data sending and receiving in AJAX.	5	L4	
15	Write a note on AJAX Error handling.	5	L3	
16	When to use Jquery?What are the advantages of Jquery over Javascript?	8	L3,L4	
17	What is the purpose of DOM node tree?Draw a DOM node tree for a simple HTML page.	8	L4,L6	
18	How to use DOM manipulation with Jquery?	5	L4,L2	
19	List advantages & disadvantage of JQuery	5	L2	
20	What is JQuery? Explain with example	5	L2,L4	

GENERAL OBSERVATIONS/ REMARKS FROM REVIEWER:

SIGN OF REVIEWER: