

**GHRCEM WAGHOLI, PUNE**

**DEPARTMENT OF AI & AIML**

**QUESTION BANK FOR CAE 2**

**SUBJECT: Web Application Security (UCAML308A)Class: TY AIML A/B**

<b>Sr no</b>	<b>Question</b>	<b>Unit</b>	<b>BL</b>	<b>CO</b>
1	What is server-side technology? Explain its role in web development.	3	2	3
2	Define a Servlet. How does it handle client requests and provide responses?	3	1	3
3	Explain the Servlet Life cycle with a diagram.	3	5	3
4	What is Tomcat? Describe its features and role in hosting Java-based web applications.	3	1	3
5	List the advantages of using JSP over Servlets.	3	1	3
6	Explain the working of JSP with a diagram	3	5	3
7	What is PHP? Explain its role in web development and its primary features.	3	1	3

8	Explain Lifecycle of JSP	3	5	3
9	Write a Servlet Program which accepts two numbers using the POST method and displays the maximum number.	3	3	3
10	What is the need for Servlets in web applications? Explain their advantages.	3	1	3
11	What are vulnerabilities? List and explain different web application vulnerabilities.	4	1	4
12	What is an Injection vulnerability? Explain how SQL Injection works and its potential impact.	4	1	4
13	Explain how to prevent Cross-site Scripting (XSS) vulnerabilities in web applications.	4	5	4
14	What is Broken Authentication? Discuss how it can compromise the security of a web application.	4	1	4
15	How can Insecure Direct Object References (IDOR) be prevented in web applications?	4	3	4
16	What does the Failure to Restrict URL Access vulnerability refer to in web applications?	4	1	4

17	What are Unvalidated Redirects and Forwards? Describe how attackers can exploit this vulnerability.	4	1	4
18	What is Insecure Cryptographic Storage? Explain how it can affect the confidentiality of sensitive data.	4	1	4
19	What are the common types of injection attacks, and how can they be prevented?	4	1	14
20	What is Cross-site Request Forgery (CSRF)? Explain how an attacker exploits this vulnerability.	4	1	4

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<b>SUBJECT INCHARGE</b>	<b>HOD</b>