R22

Code No: **R22A6616**

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

III B.Tech II Semester Regular Examinations, April 2025

Web Technologies

(CSE-AIML & B.Tech-AIML)									
Roll No									

Time: 3 hours

Note: This question paper contains two parts A and B

Part A is compulsory which carries 10 marks and Answer all questions.

Part B Consists of 5 SECTIONS (One SECTION for each UNIT). Answer FIVE Questions, Choosing ONE Question from each SECTION and each Question carries 10 marks.

		PART-A (10 Marks)	BCLL	CO(s)	Marks
		(Write all answers of this part at one place)			
1	А	What is Session Management?	L1	CO-I	[1M]
	В	What is Web Server?	L1	CO-I	[1M]
	С	What is JSP? What are the advantages of JSP over Servlets?	L1	CO-II	[1M]
	D	How is a JSP page compiled?	L1	CO-II	[1M]
	E	Analyze how errorPage and isErrorPage directives work together in error handling.?	L4	CO-III	[1M]
	F	What is the purpose of the <jsp:forward> tag in JSP?</jsp:forward>	L2	CO-III	[1M]
	G	What is advantage of Spring boot?	L2	CO-IV	[1M]
	Η	What is the role of @RestController in a REST API?	L1	CO-IV	[1M]
	Ι	What is JDBC?	L1	CO- V	[1M]
	J	Define ResultSet Object	L1	CO-V	[1M]
		<u>PART-B (50 Marks)</u>			
		<u>SECTION-I</u>			
2	А	Explain the life cycle of a Servlet with example?	L2	CO-I	[5M]
	В	Explain the significance of cookies and sessions with suitable example?	L1	CO-I	[5M]
		OR			
3	А	List out the classes and interfaces in javax.servlet. package.	L1	CO-I	[5M]
	В	How to handle HTTP request and responses? Explain <u>SECTION-II</u>	L2	CO-I	[5M]
4	А	Give a brief note on Anatomyof aJSP Page.	L2	CO-II	[5M]
	В	Discuss various implicit objects in JSP? OR	L2	CO-II	[5M]
5	А	Demonstrate the usage of page and include directives in JSP?	L2	CO-II	[5M]
	В	How to use Scripting Elements in JSP ? Explain.	L2	CO-II	[5M]

Max. Marks: 60

		SECTION-III			
6	А	List and explain the different types of errors that can occur in a JSP?	L1	CO-III	[5M]
	В	Describe how data can be shared between JSP pages using the request, session, and application scopes. OR	L2	CO-III	[5M]
7	А	Explain with an example how data is passed between two JSP pages using the request object.	L2	CO-III	[5M]
	В	Evaluate different techniques available in JSP for passing control and data between pages SECTION-IV	L5	CO-III	[5M]
8	А	Illustrate the architecture of Spring Boot with neat diagram	L2	CO-IV	[5M]
	В	Create a simple RESTful application using Spring Boot that includes a controller handling HTTP GET requests OR	L6	CO-IV	[5M]
9	А	Describe the main components of a Spring Boot RESTful web application. How does Spring Boot simplify REST API development?	L2	CO-IV	[5M]
	В	What is Spring Boot Actuator? Discuss its role in monitoring and managing Spring Boot applications. SECTION-V	L1	CO-IV	[5M]
10	А	How prepared statements are different with statement? List the types of JDBC driver.	L1	CO-V	[5M]
	В	Explain the working of JDBC template in spring boot with a simple CRUD example. OR	L1	CO-V	[5M]
11	А	How do you access a database from JSP page? Explain with an example.	L2	CO-V	[5M]
	В	Demonstrate with example to connect database using JSP application to retrieve the data	L2	CO-V	[5M]
