## NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

## THEORY EXAMINATION (Regular) Question Paper

ROLL	NO	

M	onth and Year of the Examination: <b>Nov/Dec 2021</b>	Programme: <b>B.Tech. (IT)</b>	
Se	emester <b>5th</b>	SubjectWEB TECHNOLOGIES	
Co	ourse No <b>ITPC33</b>	Maximum Marks50	
Nι	umber of Questions to be attempted4	Time allowed2 Hours	
To	otal No. of Questions <b>4</b>	Total No. of Pages used2	
No	ote: Assume suitably and state, additional data required, if an	y.	
<b>)1.</b>	a) Can XML replaces HTML?		
	b) How to use a hidden field in java script?		-
	c) What are the properties of XMLHttpRequest?	?	(2X7=14)
	d) What is the use is of is NaN function in JAVA	Script?	-
	e) Name any four built in functions in PHP?		-
	f) Where AJAX can not be used?		-
	g) How can you decode JSON string?		-
<b>Q2.</b>	a) Write a perl program to evaluate the following math 1+2/2!+3/3!++n/n!.	nematical Expression	(6)
	(b) Write a DTD for an XML document that declares contact has a name and address. An address should comphone number. Also write an XML document and valid	ntain attributes for street name, state and	(6)
23.	A web application(JSP) takes a name as input and on s from the request. It shows the start time at the right top logout button. On clicking this button, it should show with the duration of usage. (Use session to store name	o corner of the page and provides the a logout page with Thank You message	(6)

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Q3.	(b) What is Session sharing and Data sharing in JSP? Write a sample program of session sharing in JSP.	(6)
Q 4		
	<b>b</b> ) An organisation wishes to maintain the status about the working hours made by his	(6)
	employees. For that he uses the following tables:	
	• Emp (eid: integer, ename: string, age: integer, salary: real)	
	<ul> <li>Works (eid: integer, did: integer, pct_time: integer)</li> </ul>	
	• Dept (did: integer, budget: real, managerid: integer)	
	An employee can work in more than one department; the pct_time field of the works relation	
	shows the percentage of time that a given employee works in a given department. Resolve the	
	following queries using PHP:	
	Query1. For each department with more than 20 full time equivalent employees (i.e., where the	
	part-time and full-time employees add up to at least that many full-time employees), print the	
	did"s together with the number of employees that work in that department.	
	Query2. Print the name of each employee whose salary exceeds the budget of all of the	
	departments that he or she work in.	
	Query3. Find the managerid"s of managers who manage only departments with budgets greater	
	than 1,000,000	

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