GURU NANAK INSTITUTE OF TECHNOLOGY
An Autonomous Institute under MAKAUT
2020-2021
WEB TECHNOLOGY
CS702C

TIME ALLOTTED: 3 HOURS   **FULL MARKS: 70**

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable

GROUP – A
(Multiple Choice Type Questions)

Answer any *ten* from the following, choosing the correct alternative of each question: **10×1=10**

			Marks	CO No
1.	(i)	_____ allows you to connect and login to a remote computer. a) Telnet b) FTP c) HTTP d) none of the mentioned	1	CO1
	(ii)	Choose the correct HTML tag for the largest heading: a) \<h6> b) \<heading h6> c) \<head h6> d) \<h1>	1	CO2
	(iii)	What is the correct javascript syntax to write"Thank you"? a) (" Thank you") b) " Thank you" c) c)Response.write("Thank you") d) Document.write("Thank you")	1	CO2
	(iv)	Cookies were originally designed for _____ a) Client side programming b) Server side programming c) Both Client side programming and Server side programming d) None of the mentioned.	1	CO4
	(v)	XML is a _____that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. a) Markup Language b) Mashup Language c) Assembly level Language d) Machine level Language	1	CO2

			Marks	CO No
(vi)	Which predefined variable is used to retrieve information from forms? a) $GET b) $_GET c) $-GET d) @GET		1	CO3
(vii)	A _____ is nothing more than the address of a given unique resource on the Web. a) uniform resource identifier b) uniform resource locator c) unique resource identifier d) uniform reverse locator		1	CO1

(viii)	What will be the output of the following PHP code?
	`<?php`
	`while(){`
	`   print "Welcome";`
	`        } ?>`
	a) infinite loop
	b) Welcome
	c) no output
	d) error
			1	CO3

(ix)	_____ is a technology for developing webpages that supports dynamic content. a) JSP b) html c) xml d) CSS		1	CO4
(x)	What is a web browser? a) It is a program that can display a web page b) It is a program used to view html documents c) it enables user to access the resources of internet d) all of the mentioned		1	CO1
(xi)	An alternative of javascript on windows platform is a) VBScript b) ASP.NET c) JSP d) none of the mentioned		1	CO3
(xii)	http is a _____ Protocol a) Stateless b)stateful c)both stateless and stateful d)none of these.		1	CO1

GROUP – B
(Short Answer Type Questions)
Answer any *three* from the following: **3×5=15**

			Marks	CO No
2.	(a)	Write down the differences among static, dynamic and active documents.	3	CO1
	(b)	What are the different parts of identifying a web page (URL)?	2	CO1

3.	(a)	Why we use Java Script?	2	CO4
	(b)	Why HTML is called mark up language?	1	CO2
	(c)	Explain image map with the help of code snippet.	2	CO2
4.		Compare between java technologies and Microsoft technologies	5	CO5
5.		Design a registration page in HTML including text field, password, number field, check box, radio button and submit button with page validation using java script.(i.e. all fields are mandatory)	5	CO4
6.	(a)	Explain tier architecture in brief.	3	CO
	(b)	What is java bean?	2	CO1

GROUP – C
(Long Answer Type Questions)
Answer any *three* from the following: **3×15=45**

			Marks	CO No.
7.	(a)	What is the role of deploy descriptor in web application?	3	CO3
	(b)	Describe DTD in XML	3	CO3
	(c)	Describe various JSP scripting elements.	5	CO5
	(d)	Explain different types of CSS in brief	4	CO2
8.	(a)	Write a JSP program to calculate factorial values for integers in the range 0 – 9.	6	CO5
	(b)	Describe various Action tags used in JSP	5	CO5
	(c)	Explain JSP lifecycle method.	4	CO5
9.	(a)	Describe MVC architecture with diagram.	5	CO5
	(b)	Explain Tier Architecture with diagram.	5	CO1
	(c)	Differentiate between HTML & XML	3	CO3
	(d)	Describe XML-Tree	2	CO3
10.	(a)	Write a small PHP script through which you can find out the largest no among three integer input.	7	CO3
	(b)	What is the relation between "www" and "http" in the context of Internet.	3	CO1
	(c)	With the help of a suitable diagram, explain "http client request" and "http server response" in internet based client server model.	5	CO1
11.		Short Notes (Any Three)	3x5	
	(a)	JSP Architecture	5	CO4
	(b)	Documentary Object Model (DOM)	5	CO2
	(c)	Cascading Style Sheet (CSS)	5	CO2
	(d)	Html Image Map	5	CO3
	(e)	MVC Architecture	5	CO4