Reg. No	

B.Tech DEGREE EXAMINATION, NOVEMBER 2023

Seventh Semester

18AIC302J - WEB PROGRAMMING FOR ARTIFICIAL INTELLIGENCE

(For the candidates admitted during the academic year (2020-2021 & 2021-20222))

Note:

i. Part - A should be answered in OMR sheet within first 40 minutes and OMR sheet should be handed over to hall invigilator at the end of 40th minute.

i. Pa	rt - B and Part - C should be answered in ans	wer booklet.			
Time	: 3 Hours		Max. N	Iarks	: 100
	PART - A $(20 \times 1 = 20)$ Answer all Quest		Marl	s BL	CO
1.	Identify the class that styles a table with a lecursor hovers over them. (A) .table (C) table-bordered	ight gray background to rows while the (B) .table-striped (D) .table-hover	1	2	1
2.	Which type of CSS is used in the below code (A) Internal CSS (C) External CSS	e? (B) Inline CSS (D) Void CSS	1	2	1
3.	An HTML form is to be designed to enable required items are selected (checked), credissubmit button is pressed. Which one of the given options would suit that security is handled in a transparent way (A) Only GET (C) Either GET or POST	it card details are to be entered, and the sending the data to the server. Assume	1	3	1
4.	Select the correct statement about Bootstrap. (A) Bootstrap is a sleek, intuitive, and powerful, mobile-first front-end framework for faster and easier web development (C) Bootstrap was developed by James Gosling.	(B) It uses C, C++, and Javascript (D) Bootstrap is a full stack development framework	1	2	1
5. 	Pick the correct way in which we can call th (A) Triggering Event (C) Function/ Method	e JavaScript code. (B) Preprocessor (D) RMI	1	1	
6.	Which of these is a correct output for the Javstring X= "Hello"; string Y="Students"; alert(Y+X); (A) Hello Students (C) Students Hello	vaScript code given below? (B) Hello_Students (D) StudentsHello	1	3	2
7.	The correct syntax to set the background jQuery (A) \$("h1").style("background-color","yellow"); (C) \$("h1").css("background-color","yellow");	color of all h1 elements to yellow in(B) \$("h1").html("background-color","yellow");(D) \$("h1").layout("background-color","yellow");	1	2	2

8.	Which object is used to make an AJAX requ (A) XMLHTTPRequest (C) HTTPRequest	uest? (B) JSONRequest (D) AJAXRequest	1	1	2
9.	Select the correct syntax to create the modu (A) ar myModule= module(); (C) angular.module("app", []);	le in AngularJs. (B) var myModule= new Module(); (D) var Module= new Module(my);	1	2	3
10.	Which fs module in Node.js is used to get fi(A) fs.open(path, flags[, mode], callback)(C) fs.readFile(path, flags[, mode], callback)	lle information? (B) fs.stat(path, callback) (D) None of the above	1	2 ·	3
11.	The Node.js modules can be exposed using (A) impose (C) exports	(B) module (D) showcase	1	1 *	3
12.	Which of the below architecture patterns is a (A) MVC (C) MCV	angular based on ? (B) VMC (D) CMV	1	1	3
13.	Which is the correct statement to run migrate (A) run manage.py migrate (C) py manage.py pymigrate	te command in Django? (B) py migrate (D) py manage.py migrate	1	1	4
14.	Which template tag is used to create variable (A) {% with %} (C) << with >>	es directly in the Django template? (B) <% with %> (D) {{ with }}	1	1	4
15.	What does {{NAME}} mean in Django tem (A) {{ name }} will be the output	plates? (B) It will be displayed as name in HTML	1	2	4
	(C) The name will be replaced with values of Python variable	(D) None of the above			
16.	Which command is used to create a project if (A) \$ django-admin createproject project_name (C) \$ django startproject project_name	in Django? (B) \$ django-admin startproject project_name (D) \$ django createproject project_name	1	3	4
17,	What is the primary function of a web crawl (A) To index and organize website content	The state of the s	1	2	5
	(C) To analyze website traffic and user behavior	(D) To improve website design and layout			
18.	How does a web crawler determine which pa (A) By using keywords to search for relevant content (C) By following links on the website's	ages to visit on a website? (B) By randomly selecting pages on the website	1	2	5
	(C) By following links on the website's homepage	(D) By visiting every page on the website			
19.	What is the term used to describe a website and index?	that is easy for a web crawler to navigate	1	1	5
	(A) Crawler-friendly (C) Search-friendly	(B) Spider-friendly(D) Index-friendly			

20.	What is the term used to describe a website that has been blocked by a web crawler? (A) Spidered (B) Crawled (C) Indexed (D) Blacklisted	1	1	5
	PART - B (5 × 4 = 20 Marks) Answer any 5 Questions	Mark	is BL	CO
21.	How do style sheets work? Give examples of the various methods used to include style information in a HTML document.	4	2	1
22.	Describe AJAX. Outline the positive aspects of AJAX for creating interactive online apps.	4	2	2
23.	What does AngularJS's data binding mean? Describe the variations between one-way and two-way binding.	4	4	3 .
24.	Summarize the architecture of Django.	4	2	4
25.	Discuss the web crawling strategies along with its benefits.	4	2	5
26.	Develop an HTML page to display a square with the use of 4 images.	4	2	1
27.	For the following form, write down the JavaScript code to swap the contents of the two text boxes: <form name="DAFORM"> Input text1: <input name="A" type="text"/> Input text2: <input name="B" type="text"/> </form>	4	3	2
	$PART - C (5 \times 12 = 60 Marks)$	Mark	is BL	CO
	Answer all Questions			
28.	 (a) Make an HTML page highlighting the Department's facilities in your College utilizing frames, links, tables, and other tags. (OR) (b) Develop an HTML document that has an embedded style sheet to represent the hotel menu items. All non-vegetarian menu items should be displayed in red with small font sizes and bold font weights on the style sheet, whereas vegetarian menu items should be displayed in green with bigger font sizes. 	12	3	1
29.	 (a) Make a form that asks users for their first and last names, email addresses, user IDs, passwords, and confirmation passwords. All required fields must be filled out, and the email address must be entered correctly. Additionally, the values given in the confirm password and password textboxes must match. Display the appropriate error messages in red color right next to the textbox where an error occurred after validating with JavaScript. (OR) (b) i. Use Javascript, DHTML, and the XMLHttpRequest object to build an AJAX program that can do a GET or POST and return a result without refreshing the HTML page. (8) 	.12	3	2
:0	ii. Write short notes on jQuery. (4)	10	2	2
30.	(a) Using Angular JS, design a registration page and handle events. (OR) (b) Write a program to perform the validation of server side application using	12	3	3
	nodeJS.			
31.	(a) Describe the directory structure of the Django project. Make a simple website with the Django framework. (OR)	12	2	4
	(b) What are templates in the Django language? Differentiate between MVC and MVT design patterns. Describe the process of integrating database to Django project.			

- 32. (a) Explain the process of creating a simple scraper using scrapy. (OR)
 - (b) How will you extract data from pages? Outline the procedure to store and process documents and requests. Describe the techniques to extract data.

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