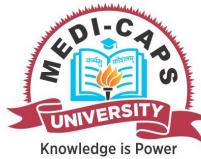**Enrollment No.....................................**

Faculty of Engineering
End Sem Examination Dec 2024
CA5CO30 Internet & Web Technologies

Programme: MCA / BCA-   Branch/Specialisation: Computer
MCA (Integrated)   Application

Duration: 3 Hrs.   **Maximum Marks: 60**

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

			Marks	BL	PO	CO	PSO
Q.1	i.	Which of the following web technologies are based on web 3.0?	1	4	6	1	
		I. Blockchain					
		II. Semantic web					
		III. 3D graphics					
		IV. Artificial Intelligence					
		(a) I and III					
		(b) I, II and III					
		(c) II, III and IV					
		(d) All of these					
	ii.	Which of the following is used to read a HTML page and render it?	1	2	2	1	
		(a) Web server (b) Web matrix					
		(c) Web browser (d) None of these					
	iii.	Which of the following gives a text description of the image if it is not available?	1	4	5	1	
		(a) alt (b) title (c) src (d) height					
	iv.	Who is the father of HTML?	1	4	1	1	
		(a) Rasmus Lerdorf (b) Tim Berners-Lee					
		(c) Brendan Eich (d) Sergey Brin					
	v.	Which of the following display property value is described by treats the element as inline?	1	3	6	3	
		(a) Inline-block (b) List-item					
		(c) Block (d) Inline					

vi. Which of the following CSS framework is used to create a responsive design? **1**   6   6   2
(a) Django   (b) rails
(c) laravel   (d) bootstrap

vii. Which of the following is the correct way to add a comment in PHP code? **1**   1   5   2
(a) #   (b) //
(c) /* */   (d) All of these

viii. Which of the following web servers are required to run the PHP script? **1**   3   1   3
(a) Apache and PHP   (b) IIS
(c) XAMPP   (d) Any of these

ix. There is an arrangement where you allow an agency to host your website for you on their Web Server for a fee, this is called as- **1**   2   9   4
(a) Web Service   (b) Web Hosting
(c) Web Marketing   (d) None of these

x. URL stands for: **1**   4   5   5
(a) Uniform Regulator Locator
(b) Uniform Resource Locator
(c) Uniform Reference Locator
(d) Uniform Rescue Locator

Q.2 i. Write differences between website and web portals. **2**   2   10   1

ii. What are the roles of web designer? **3**   1   9   1

iii. Explain the working of web with diagram. What do you think that what will be the future of web according to current trends? **5**   5   11   2

OR iv. Explain http request message and response message in detail. Also describe anatomy of web page. **5**   5   3   2

Q.3 i. Write any two text formatting tags with proper example of each. **2**   3   6   2

ii. Describe input tag with its different values with suitable example (Registration Form). **8**   5   5   3

OR iii. Why HTML is called a markup language? How can we insert the multimedia in HTML? Explain with example of any three different multimedia tags. **8**   3   11   3

Q.4 i. Define Id in CSS with syntax and example. **3**   2   3   2

ii. How to create a navigation bar using HTML and CSS with output? (Write HTML and CSS code for it, there should be any six menus in navigation bar). **7**   6   6   3

OR iii. Describe box model in detail with suitable example. **7**   5   4   4

Q.5 i. Define PHP mail function with its syntax and example. **4**   3   11   4

ii. Why we use PHP array operator? Describe any five PHP array operators with examples. **6**   2   1   4

OR iii. Write code for registration and database connectivity using PHP and MySQL. (Write any four fields for registration). **6**   5   11   3

Q.6 Attempt any two:

i. Write short note on: **5**   2   3   5
(a) URL   (b) Web security

ii. What is website? Explain the components of websites. **5**   1   10   4

iii. Describe the features of a good website. **5**   2   5   5

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Marking Scheme

CA5CO30 (T) Internet & Web Technologies (T)

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Q.1	i)	c) (i), (ii), (iii) and (iv) all	**1**
	ii)	c) Web browser	**1**
	iii)	a) alt	**1**
	iv)	b) Tim Berners-Lee	**1**
	v)	d) inline	**1**
	vi)	d) bootstrap	**1**
	vii)	d) All of the mentioned	**1**
	viii)	c) XAMPP	**1**
	ix)	b) Web Hosting	**1**
	x)	b) Uniform Resource Locator	**1**

Q.2	i.	1 mark = each difference	**2**
	ii.	1 mark = each role	**3**
	iii.	Working of web with diagram = 3 marks Future of web = 2 marks	**5**
OR	iv.	http request message and response message = 3 marks anatomy of web page = 2 marks	**5**

Q.3	i.	1 mark for each tag with example of each	**2**
	ii.	5 marks = 5 input value, Example html code for registration form = 3 marks	**8**
OR	iii.	2 marks = markup language, 2 marks = each multimedia tag 4 mark = example	**8**

Q.4	i.	Definition = 1 mark, Syntax = 1 mark, Example = 1 mark	**3**
	ii.	6 marks for complete code, 1 mark for output	**7**
OR	iii.	Diagram = 1 mark, Padding description with values = 2 marks Margin description with values = 2 marks Border description with values = 2 marks	**7**

Q.5	i.	Definition = 1 mark, Syntax = 1 mark, Example = 2 marks	**4**
	ii.	Uses = 1 mark, 5 marks = 5 operators	**6**
OR	iii.	4 marks = registration logic code in php 2 marks = database connectivity code	**6**

Q.6			
	i.	URL = 2.5 marks, Web security = 2.5 marks	**5**
	ii.	Define website = 1.5 marks, Components of website = 3.5 marks	**5**
	iii.	5 marks = 5 features	**5**

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