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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|-----|
| 13. Which of the following is a feature of Python in web development?<br>(a) Easy integration with frameworks      (b) Server-side scripting<br>(c) Data processing      (d) All of the above | 1 | K1 | CO5 |
| 14. Which HTTP request type is idempotent?<br>(a) POST      (b) GET      (c) PUT      (d) Both GET and PUT                                                                                    | 1 | K1 | CO5 |
| 15. What does IIS stand for?<br>(a) Internet Information Server      (b) Internet Information Services<br>(c) Internal Internet Server      (d) None                                          | 1 | K1 | CO5 |
| 16. What does HTTP stand for?<br>(a) Hyper Text Transfer Protocol      (b) Hyper Text Transport Protocol<br>(c) High Transfer Protocol      (d) None                                          | 1 | K1 | CO5 |
| 17. What is the default port number for HTTP?<br>(a) 80      (b) 443      (c) 8080      (d) 21                                                                                                | 1 | K2 | CO6 |
| 18. Which of the following is a feature of Python in web development?<br>(a) Easy integration with frameworks      (b) Server-side scripting<br>(c) Data processing      (d) All of the above | 1 | K1 | CO6 |
| 19. What is the key difference between XHTML and HTML?<br>(a) XHTML is stricter in syntax      (b) HTML supports dynamic content<br>(c) XHTML is faster      (d) None                         | 1 | K2 | CO6 |
| 20. Which attribute is used in an XML declaration?<br>(a) version      (b) encoding      (c) Both a and b      (d) None                                                                       | 1 | K1 | CO6 |

**PART - B (10 × 2 = 20 Marks)**

Answer ALL Questions

- |                                                                  |   |    |     |
|------------------------------------------------------------------|---|----|-----|
| 21. List any five HTML features.                                 | 2 | K1 | CO1 |
| 22. Enumerate the functions of web servers.                      | 2 | K2 | CO1 |
| 23. Articulate the role of internet in research.                 | 2 | K2 | CO2 |
| 24. Give syntax for CSS rule.                                    | 2 | K1 | CO2 |
| 25. Write the syntax for box model.                              | 2 | K1 | CO3 |
| 26. Draw the servlet life cycle architecture.                    | 2 | K2 | CO3 |
| 27. Define deployment descriptor.                                | 2 | K2 | CO4 |
| 28. Differentiate XML and XSLT.                                  | 2 | K1 | CO4 |
| 29. Summarize the uses of Perl language.                         | 2 | K2 | CO5 |
| 30. Write the procedure to access a web server using IP address. | 2 | K1 | CO6 |

**PART - C (6 × 10 = 60 Marks)**

Answer ALL Questions

- |                                                                                                         |    |    |     |
|---------------------------------------------------------------------------------------------------------|----|----|-----|
| 31. a) Illustrate in detail about CSS and its use in HTML.                                              | 10 | K2 | CO1 |
| <b>OR</b>                                                                                               |    |    |     |
| b) Summarize the architecture of a multi tier application with a near sketch.                           | 10 | K2 | CO1 |
| 32. a) List the necessities of using HTML forms. Create a HTML Form page for Railway Registration Form. | 10 | K2 | CO2 |

**OR**

b) Illustrate HTML code for the following table format.

10 K2 CO2

Types of Vehicle		
SNo	Type	Brand
1	Petrol	Maruthi
2		Tata
3	Electric	BMW
4		Tesla
5	Diesel	Hyundai
6		Kia

33. a) Write short notes on the following servlet classes, GenericServlet, ServletInputStream, ServletOutputStream and ServletException. 10 K3 CO3

**OR**

b) Discuss about Javascript debugging. Explain how local and global functions can be written using javascript. 10 K3 CO3

34. a) Articulate DOM based XML processing in detail with example. 10 K2 CO4

**OR**

b) Explain XPATH nodes in detail. 10 K2 CO4

35. a) Explain Web server system Architecture with a neat sketch. 10 K2 CO5

**OR**

b) Illustrate HTTP requests, system architecture with a neat sketch. 10 K2 CO5

36. a) Enumerate the working principle of Microsoft personal web server with neat sketch and suitable example. 10 K3 CO6

**OR**

b) Discover a XML document to store Student ID, Student name, Student address and Student date of birth details and validate the document with the help of DTD. 10 K3 CO6