

GURU NANAK INSTITUTE OF TECHNOLOGY
An Autonomous Institute under MAKAUT
2022
WEB TECHNOLOGY
IT602

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)

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

- | | Marks | CO No. |
|---|-------|--------|
| 1. (i) Who is making the Web standards?
a) Mozilla
b) Microsoft
c) The World Wide Web Consortium
d) NVIDIA | 1 | CO2 |
| (ii) In a Javascript Application what function can be used to send messages to users requesting for an text input?
a) Display()
b) Alert()
c) GetOutput()
d) Prompt() | 1 | CO1 |
| (iii) What does error 404 or Not Found error while accessing a URL mean?
a) The server could not find the requested URL
b) Requested HTML file is not available
c) The path to the interpreter of the script is not valid
d) The requested HTML file does not have sufficient permissions | 1 | CO2 |
| (iv) Assume that an HTML form is designed to purchase the furniture. All the items required are being checked. After selecting the items the payment details are entered and the submit button is pressed. From the following options which one would you prefer to send the data to the server. Assume that all the security is handled.
a) Only POST
b) Only GET
c) Either of GET or POST
d) Neither GET nor POST | 1 | CO4 |
| (v) Which of the following statements are true?
a) HTTP runs over TCP
b) HTTP allows information to be stored in a URL
c) HTTP can be used to test the validity of a hypertext link
d) All of the above | 1 | CO3 |

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|--------|--|---|-----|
| (vi) | Which one of the following objects can be used in expression and scriptlets in JSP without explicitly declaring them?
a) Request and response only
b) Response and session only
c) Session and request only
d) Session,request and response | 1 | CO4 |
| (vii) | Which of these is a client server application?
a) Web browsing
b) E-mail
c) Internet Chat
d) All of the above | 1 | CO3 |
| (viii) | Which of the following is the correct syntax to print a page using JavaScript?
a) window.print();
b) browser.print();
c) navigator.print();
d) document.print(); | 1 | CO2 |
| (xi) | Which of the following is true about variable naming conventions in JavaScript?
a) You should not use any of the JavaScript reserved keyword as variable name.
b) JavaScript variable names should not start with a numeral (0-9).
c) Both of the above.
d) None of the above. | 1 | CO3 |
| 1(x) | What XML stands for?
a) Extra Marked Language
b) Extensible Markup Language
c) Extensible Marked Literal
d) Extra Markup Language | 1 | CO4 |
| (xi) | Request is instance of which class? Quality product
a) Request
b) HttpRequest
c) HttpServletRequest
d) ServletRequest | 1 | CO3 |

GROUP – B

(Short Answer Type Questions)

(Answer any *three* of the following) **3 x 5 = 15**

- | | | Marks | CO No. |
|----|---|-------|--------|
| 2. | What is HTTP? How does it work? Give appropriate example. | 5 | CO2 |
| 3. | What is JDBC? What are the role of Statement object and Result set in JDBC frame. | 5 | CO3 |
| 4. | a) What is client side scripting? | 2 | CO2 |
| | b) Explain with suitable example. | 3 | CO2 |
| 5 | Write a short note on cookie with example. | 5 | CO3 |

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|----|--------------------------------------|---|-----|
| 6. | a) Define CSS. | 2 | CO4 |
| | b) What are the benefits to use CSS. | 3 | CO4 |

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

- | | | Marks | CO No. |
|-----|--|--------------|---------------|
| 7. | a) Define IP addressing. | 2 | CO3 |
| | b) Why we need HTML.Explain | 6 | CO3 |
| | c) Create a College website using HTML and CSS. | 7 | CO3 |
| 8. | a) How to set background image in HTML. | 3 | CO4 |
| | b) What are the key difference between HTML and tags. | 7 | CO4 |
| | c) Difference between web Server vs Application Server. | 5 | CO4 |
| 9. | a) Define web technology? | 3 | CO2 |
| | b) Draw Web architecture and explain. | 5 | CO2 |
| | c) What are HTML tags.define.How can you insert rows and Column in HTML. | 7 | CO2 |
| 10. | a) Write addition program using java script. | 7 | CO1 |
| | b) What is XML.What is PHP define with example?What is JSP.Example.What is JDBC. | 8 | CO1 |
| 11. | Write short notes on any three of the following: | | |
| | a) DNS | 5 | CO3 |
| | b) DHCP | 5 | CO3 |
| | c) TCP/IP | 5 | CO4 |
| | d) IP address | 5 | CO2 |
| | e) XML | 5 | CO4 |