

MCA
THIRD SEMESTER (SPECIAL REPEAT)
WEB PROGRAMMING & TECHNOLOGIES
MCA-303

(Use separate answer scripts for Objective & Descriptive)

Duration : 3 hrs.

Full Marks : 70

Time : 20 min.

[PART-A: Objective]

Marks : 20

Choose the correct answer from the following:

1×20=20

1. URL includes in
 - a. Protocol type
 - b. Path of Web Resource
 - c. Domain Name and Port Number
 - d. All of above
2. Which of the following software is not a web server?
 - a. Apache
 - b. Internet information Services
 - c. Mongoose
 - d. Python
3. Which type of Network is most likely confined to a building or a Campus?
 - a. LAN
 - b. MAN
 - c. WAN
 - d. Departmental
4. In which of the following, a person is constantly followed/chased by another person or group of several peoples?
 - a. Phishing
 - b. Bulling
 - c. Stalking
 - d. Identity theft
5. Which one of the following can be considered as the class of computer threats?
 - a. Dos Attack
 - b. Phishing
 - c. Soliciting
 - d. Both i and iii
6. Which of the following is considered as the unsolicited commercial email?
 - a. Virus
 - b. Malware
 - c. Spam
 - d. All the above
7. Which one of the following refers to the technique used for verifying the integrity of the message?
 - a. Digital signature
 - b. Decryption
 - c. Protocol
 - d. Message Digest
8. Which of the following tag is used to mark a beginning of paragraph?
 - a. <TD>
 - b.

 - c. <P>
 - d. <TR>
9. The length of port address in TCP is
 - a. 4 bit long
 - b. 8 bit long
 - c. 16 bit long
 - d. 32 bit long
10. From which tag the descriptive list starts?
 - a. <LL>
 - b. <DD>
 - c. <DL>
 - d. <DS>

11. Namespaces are offered in
 - a. PHP2
 - b. PHP4
 - c. PHP5
 - d. PHP6
12. Which of the following is used for concatenation in PHP?
 - a. + (plus)
 - b. .(dot)
 - c. * (Asterisk)
 - d. append()
13. Which of the following is a container?
 - a. <select>
 - b. <body>
 - c. <input>
 - d. Both a and b
14. Which of the following is a server side programming?
 - a. HTML
 - b. JSP
 - c. Java-script
 - d. CSS
15. Which of the statements are not true to classify VPN systems?
 - a. Protocols used for tunneling the traffic
 - b. Securing the network from bots and malwares
 - c. Whether VPNs are providing site-to-site or remote access connection
 - d. Levels of security provided for sending and receiving data privately
16. What types of protocols are used in VPNs?
 - a. Application level protocols
 - b. Tunneling protocols
 - c. Network protocol
 - d. Mailing protocols
17. The basic difference between JavaScript and Java is
 - a. There is no difference
 - b. Functions are considered as fields
 - c. Variables are specific
 - d. Functions are values, and there is no hard distinction between methods and fields
18. The script tag must be place in
 - a. Head
 - b. Head and body
 - c. Title and head
 - d. All of the mentioned
19. www is based on which model?
 - a. Local-server
 - b. Client Server
 - c. Three tier
 - d. None of these
20. The body tag usually used after
 - a. Title tag
 - b. Head tag
 - c. EM tag
 - d. Form tag

(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. What is TCP/IP? Explain the layer structure of TCP/IP. | 2+8=10 |
| 2. a. Write a Java-Script program to check whether a number is palindrome
Number or not. | 5 |
| b. Explain the characteristics of HTML. | 5 |
| 3. a. Compare client side and Server side programming language. | 5 |
| b. Write a PHP program to display prime numbers within a range. | 5 |
| 4. a. Write a program to find the current date and time using Java Script. | 5 |
| b. Explain the functions of webserver. | 5 |
| 5. a. Explain phishing and sniffing in cryptography. | 4 |
| b. Explain confidentiality, integrity and availability in web security. | 6 |
| 6. a. Write the difference between UDDI and WSDL and which one is more
beneficial. | 5 |
| b. How does a Digital Signature Certificate work? What is the legal status
of a Digital Signature? | 3+2=5 |
| 7. a. What is Firewall? Explain the properties of firewall. | 2+3=5 |
| b. Write any five types CSS text properties. | 5 |
| 8. Design and Develop web pages for a college using HTML with java
script. | 10 |

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