

**MASTER OF COMPUTER APPLICATION  
THIRD SEMESTER (REPEAT)  
WEB PROGRAMMING & TECHNOLOGIES  
MCA-303**

**SET  
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

Marks: 20

**(Objective)**

*Choose the correct answer from the following:*

*1 × 20 = 20*

1. Namespaces are offered in:
  - a. PHP2
  - b. PHP4
  - c. PHP5
  - d. PHP6
2. Which of the following is used for concatenation in PHP?
  - a. + (plus)
  - b. .(dot)
  - c. \* (Asterisk)
  - d. append()
3. What does PEAR stands for?
  - a. PHP extension and application repository
  - b. PHP enhancement and application reduce
  - c. PHP event and application repository
  - d. None of the above
4. Which of the following is a server side programming?
  - a. HTML
  - b. JSP
  - c. Java-script
  - d. CSS
5. 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
6. What types of protocols are used in VPNs?
  - a. Application level protocols
  - b. Tunneling protocols
  - c. Network protocol
  - d. Mailing protocols
7. 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
8. The script tag must be placed in:
  - a. Head
  - b. Head and body
  - c. Title and head
  - d. All of the mentioned
9. Which of these are string functions available in VBScript?
  - a. Chr
  - b. InStr
  - c. LCase
  - d. All the above

10. Extension of ActiveX designers:
- |         |                      |
|---------|----------------------|
| a. .dsr | b. .axd              |
| c. .adx | d. None of the above |
11. The UDP is a part of which protocol suite?
- |               |            |
|---------------|------------|
| a. TCP/IP     | b. IPX/SPX |
| c. Apple Talk | d. NetBEUI |
12. The transport layer protocol is:
- |        |                |
|--------|----------------|
| a. ALP | b. PPX         |
| c. TCP | d. TCP and UDP |
13. Which type of Network is most likely confined to a building or a Campus?
- |        |                 |
|--------|-----------------|
| a. LAN | b. MAN          |
| c. WAN | d. Departmental |
14. 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 |
15. Which one of the following can be considered as the class of computer threats?
- |               |                 |
|---------------|-----------------|
| a. Dos Attack | b. Phishing     |
| c. Soliciting | d. Both a and c |
16. Which of the following is considered as the unsolicited commercial email?
- |          |                  |
|----------|------------------|
| a. Virus | b. Malware       |
| c. Spam  | d. All the above |
17. 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 |
18. In system hacking, which of the following is most crucial activity?
- |                          |                      |
|--------------------------|----------------------|
| a. Information gathering | b. Covering tracks   |
| c. Cracking passwords    | d. None of the above |
19. The length of port address in TCP is:
- |                |                |
|----------------|----------------|
| a. 4 bit long  | b. 8 bit long  |
| c. 16 bit long | d. 32 bit long |
20. What will be the output of the following PHP code?
- ```

<?php
function email()
{
    $email='user@yahoo.com';
    $new = strstr($email, '@');
    echo $new;
}
email();
?>

```
- |               |                   |
|---------------|-------------------|
| a. user       | b. user@yahoo.com |
| c. @yahoo.com | d. yahoo.com      |

**( Descriptive )**

Time : 2 hr. 30 mins.

Marks : 50

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

- |                                                                                                               |        |
|---------------------------------------------------------------------------------------------------------------|--------|
| 1. a) Write the difference between phishing and sniffing.                                                     | 4      |
| b) Explain confidentiality, integrity and availability in web security.                                       | 6      |
| 2. a) Compare client site and Server side programming language.                                               | 5      |
| b) Explain post and get function in PHP with example.                                                         | 5      |
| 3. a) Write a program to find the current date and time using VB Script.                                      | 5      |
| b) Explain the functions of webserver.                                                                        | 5      |
| 4. a) Write a Java-Script program to check whether a number is perfect number or not.                         | 5      |
| b) Explain feature of PHP framework.                                                                          | 5      |
| 5. a) Write the difference between CORBA and DCOM 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  |
| 6. What is IP Security Architecture? Explain the different elements of IP Security architecture with diagram. | 2+8=10 |
| 7. a) What is XML DOM Document? Write difference between HTML and XML.                                        | 2+3=5  |
| b) Write any five types CSS text properties.                                                                  | 5      |
| 8. Design and Develop web pages for employee portal of a company using HTML with java script.                 | 10     |

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