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Brainware University
 Barasat, Kolkata -700125

BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – Dip.CSE-2018/Dip.CSE-2019/Dip.CSE-2020

Course Name – Internet and Web Technologies

Course Code - DCSE501

(Semester V)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) The _____ method when used in the method field, leaves entity body empty. Identify the correct option.
- | | |
|---------|---------|
| a) POST | b) SEND |
| c) GET | d) PUT |
- (ii) www is based on which model? Identify the correct model.
- | | |
|-----------------|------------------|
| a) Local-server | b) Client-server |
| c) 3-tier | d) None of these |
- (iii) Select which one of the following is not a function of network layer?
- | | |
|-----------------------|---------------------|
| a) routing | b) inter-networking |
| c) congestion control | d) error control |
- (iv) A 4 byte IP address consists of _____. Select the correct option.
- | | |
|-----------------------------------|----------------------------------|
| a) only network address | b) only host address |
| c) network address & host address | d) network address & MAC address |
- (v) Two devices are in network if _____. Identify the correct option.
- | | |
|---------------------------------------------------------------------------------------------|------------------------------------------------|
| a) a process in one device is able to exchange information with a process in another device | b) a process is running on both devices |
| c) PIDs of the processes running of different devices are same | d) a process is active and another is inactive |
- (vi) What will be the output of the following program? Choose the correct option- <?php \$var1="Hello World"; echo strrev("\$var1"); ?>
- | | |
|----------------|----------------------|
| a) dlroW olleH | b) olleH dlroW |
| c) Hello dlroW | d) None of the above |
- (vii) Which is not an objective of network security? Select the correct option
- | | |
|-------------------|-------------------|
| a) Identification | b) Authentication |
| c) Access control | d) Lock |
- (viii) Which of the following function is used to compute the difference between two arrays in PHP? Choose the correct option-

- a) diff_array
 c) arrays_diff
 (ix) Which of these is a part of network identification? Select the correct option
 a) UserID.
 c) OTP
 (x) CHAP stands for _____, Select the correct option
 a) Challenge Handshake authentication protocol
 c) Circuit Hardware authentication protocol
 (xi) An algorithm in encryption is called _____, Select the correct option
 a) Algorithm
 c) Cipher
 (xii) Which of the following is not a variable scope in PHP? Choose the correct option-
 a) Extern
 c) Static
 (xiii) Network layer firewall works as a _____, Select the correct option
 a) Frame filter
 c) Content filter
 (xiv) A firewall is installed at the point where the secure internal network and untrusted external network meet which is also known as _____, Select the correct option
 a) Chock point
 c) Firewall point
 (xv) How many host bits are used for the classless IP address 120.234.25.86/28? Examine and choose the correct option.
 a) 4 bits
 c) 14 bits

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Discuss Telnet, FTP with examples. (3)
3. Determine the difference between get and post method. (3)
4. Discover the process of concatenating two strings in PHP. (3)
5. State the procedure to calculate the length of a string. (3)
6. Justify Denial-of-service attack. (3)

OR

Write the use of session and cookies in PHP.

(3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Define the recursive resolution of DNS by a neatly labelled diagram. Describe the term DNS. (5)
8. Explain an effective communication between a server and a client. (5)
9. Justify the basic principle of security. Distinguish active attack, passive attack with example. (5)
10. Construct a simple HTML form and accept the user name and display the name through PHP echo statement. (5)
11. Represent an HTML page with the following features: Hyperlink , navigation buttons, tables, forms. (5)
12. Illustrate by program- to sort an array of dates in PHP. (5)

OR

Illustrate by program- to Remove Special Character from String in PHP.

(5)

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