



BRAINWARE UNIVERSITY

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Brainware University
Barasat, Kolkata -700125

Term End Examination 2023
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) A proxy firewall filters at _____, Select the correct option
 - a) Physical layer
 - b) Data link layer
 - c) Network layer
 - d) Application layer
- (ii) What are the predefined attributes? Discover the correct option.
 - a) xml:lang
 - b) xml:space
 - c) Both
 - d) None of these.
- (iii) Which of the following is not applicable for IP? Identify the correct option.
 - a) Error reporting
 - b) Handle addressing conventions
 - c) Datagram format
 - d) Packet handling conventions
- (iv) If the value in protocol field is 17, the transport layer protocol used is-_____. Select the correct option.
 - a) TCP
 - b) UDP
 - c) ICMP
 - d) IGMP
- (v) Which of the following demerits does Fragmentation have? Select the correct option.
 - a) complicates routers.
 - b) open to DOS attack
 - c) overlapping of fragments
 - d) all of these
- (vi) XML Is Designed To Store Data And _____. Identify the correct option.
 - a) Design
 - b) Verify
 - c) Both 1 & 2
 - d) Transport
- (vii) What will be the output of the following program? Select the correct option <?php \$var1 = "Hello"; \$var2 = "World"; echo \$var1, \$var2; ?>
 - a) HelloWorld
 - b) Hello, World
 - c) Hello World
 - d) None of the above
- (viii) The process of verifying the identity of a user. Select the correct option
 - a) Authentication
 - b) Identification
 - c) Validation
 - d) Verification

- (ix) Which of the following is the use of strlen() function in PHP? Discover the correct option
- a) The strlen() function returns the type of string
b) The strlen() function returns the length of string
c) The strlen() function returns the value of string
d) The strlen() function returns both value and type of string
- (x) The information that gets transformed in encryption is _____, Select the correct option
- a) Plain text
b) Parallel text
c) Encrypted text
d) Decrypted text
- (xi) 3. What will be the output of the following program? `<?php $a; if ($a) { echo "hi"; } else { echo "How are you"; } ?>` Select the correct option
- a) Hi How are you
b) How are you
c) Hi
d) None of the above
- (xii) The field that covers a variety of computer networks, both public and private, that are used in everyday jobs. Select the correct option
- a) Artificial Intelligence
b) ML
c) Network Security [y]
d) IT
- (xiii) Which of the following is used to display the output in PHP? Choose the correct option
- a) echo
b) write
c) print
d) Both (1) and (3)
- (xiv) Which of the following is used for concatenation in PHP? Choose the correct option
- a) + (plus)
b) * (Asterisk)
c) . (dot)
d) append()
- (xv) The first line of HTTP request message is called _____. Select the correct option.
- a) Request line
b) Header line
c) Status line
d) Entity line

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Discuss the meaning of cascading in CSS. (3)
3. Explain the common uses of PHP. (3)
4. Explain the difference between static and dynamic websites. (3)
5. Explain PHP parameterized functions. (3)
6. Express setcookie() function in PHP. (3)

OR

Justify Proxy Firewall. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe the remote login process of TelNet. (5)
8. Write a program in php to find the factorial of a number. (5)
9. Distinguish Virus and worm. Justify IP sniffing and IP spoofing. (5)
10. Illustrate the basic tags of a HTML page with an example. (5)
11. Illustrate by program- to check if two arrays contain the same elements. (5)
12. Illustrate by program- to Remove Special Character from String in PHP. (5)

OR

Illustrate by program- to search by multiple key => value in PHP array? (5)

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