

HALF YEARLY EXAMINATION 2023**CLASS: 12****PART III - COMPUTER APPLICATIONS****Time : 3 HOURS****Total Marks : 70**

- Instructions :**
- (1) Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.
 - (2) Use Blue or Black ink to write and underline.
- Notes :**
- (i) This question paper contains **four** parts

PART - I**15X1 = 15****Note : 1. All questions are Compulsory.**

2. Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer.

1. RTF (Rich Text Format) file format was introduced by _____.
 a) TCS b) Microsoft c) Apple Inc d) IBM
2. To select an entire document using the keyboard, press _____.
 a) Ctrl+A b) Ctrl+B c) Ctrl+C d) Ctrl+D
3. Which of the following is a DDL Command?
 a) CREATE b) INSERT c) SELECT d) COMMIT
4. A _____ is a block of code that performs a specific task.
 a) Parameter b) function c) class d) label
5. Which of the following is used to specify multiple conditions in an if...elseif...else statement?
 a) AND b) OR c) Case d) elseif
6. What is the output of the following code?

```
$array=array(1,2,3,4,5);
foreach($array as $value)
{
    echo $value;
}
```

 a) 12345 b) 54321 c) 11111 d) none of the above
7. What PHP function can be used to read a file?
 a) fopen() b) fread() c) fclose() d) fwrite()
8. Which is the correct function to execute the SQL queries in PHP?
 a) mysqli_query("Connection Object", "SQL Query")
 b) query("Connection Object", "SQL Query")
 c) mysql_query("Connection Object", "SQL Query")
 d) mysql_query("SQL Query")

9. A TCP/IP network with access restricted to members of an organization ____
- a) LAN b) MAN c) WAN d) Intranet
10. Root Name servers are maintained by ____.
- a) IANA b) WHO c) ICANN d) DNS
11. How many pins are used in RJ45 cables?
- a) 8 b) 6 c) 50 d) 25
12. Open NMS was released in ____.
- a) 1999 b) 2000 c) 2003 d) 2004
13. SME stands for ____.
- a) Sound messaging enterprises b) Simple and medium enterprises
c) Small and medium-sized enterprises d) Short messaging enterprises
14. The websites secured by secure socket layer protocols can be identified using ____.
- a) html:// b) http:// c) https:// d) https://
15. Who is called as the father of EDI?
- a) Charles Babbage b) Ed Guilbert c) Pascal d) None of the above

PART II**6X2 = 12****Note : i) Answer any six questions.****ii) Question No.24 is compulsory**

16. Define multimedia.
17. What are the ACID properties?
18. What is validation in PHP?
19. What are the types of MySQLi function available in PHP?
20. Expand HTTP, HTTPS, FTP.
21. Write short note on open NMS.
22. Differentiate tangible goods and intangible goods with example of your own.
23. List the various layers of EDI.
24. Write the output of the following program:

```

<?php
    $x=10;
    if ($x>5)
    {
        echo " x is greater than 5";
    }
    else
    {
        echo " x is not greater than 5";
    }
?>

```

PART III**6X3 = 18****Note : i) Answer any six questions.****ii) Question No.33 is compulsory**

25. Write the use of any three tools in Pagemaker along with symbols.
26. Write about the rules for naming a variable in PHP.
27. What is the syntax for defining a function in PHP.
28. Differentiate IPv4 and IPv6.
29. Write a note on mobile networks.
30. What are the types of fiber optic cables?
31. What is electronic fund transfer?
32. Write a note on digital certificate.
33. Write a PHP code to print 1 to 10 numbers in ascending order using for loop.

PART IV**5X5 = 25****Note : Answer all the following questions.**

34. a) Write the steps to draw a star using polygon tool.

(OR)

- b) What are the data types in PHP? Explain.

35. a) Explain the user defined function with suitable example.

(OR)

- b) Discuss in detail about switch statement with an example.

36. a) Explain 'foreach' loop with examples.

(OR)

- b) Explain uses of computer network.

37. a) Discuss about OSI model with its layers.

(OR)

- b) What is meant by Registered Jack? Explain briefly the types of Jacks.

38. a) Explain the key players of a credit card payment system.

(OR)

- b) Differentiate symmetric key and asymmetric key encryption