

HSL **HALF YEARLY EXAMINATION - 2023**  
**12** - Std **COMPUTER APPLICATION**

Time : 3.00 Hrs

SALEM DISTRICT

Marks : 70

**PART I**

Choose the most appropriate answer from the given four alternatives and write the option code and the corresponding answer. **15 X 1 = 15**

1. RTF(Rich Text Format) file format was introduced by \_\_\_\_\_  
 (a) IBM (b) TCS (c) Apple Inc (d) Microsoft
2. To select an entire document using the keyboard, press \_\_\_\_\_  
 (a) Ctrl + B (b) Ctrl + C (c) Ctrl + A (d) Ctrl + D
3. \_\_\_\_\_ represents a "tuple" in a relational database?  
 (a) Row (b) Column (c) Object (d) Table
4. In PHP, Multiline comment is enclosed between \_\_\_\_\_  
 (a) // (b) \*...\* (c) /\*...\*/ (d) /\*.../\*
5. What is the output of the following code?  

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

 (a) 1 2 3 4 5 (b) 5 4 3 2 1 (c) 1 1 1 1 1 (d) 5 4 1 3 2
6. What form control allows the user to select only one value at a time?  
 (a) text inputs (b) buttons (c) checkboxes (d) radio buttons
7. A set of computers connecting together is called as \_\_\_\_\_  
 (a) Hub (b) Server (c) Network (d) Node
8. \_\_\_\_\_ provides e-mail service.  
 (a) DNS (b) TCP (c) FTP (d) SMTP
9. Expansion of URL is  
 (a) Uniform Resource Location (b) Universal Resource Locator  
 (c) Universal Resource Location (d) Uniform Resource Locator
10. Which of the following is a small peripheral device with a sim slot to connect the computers to Internet?  
 (a) Dongles (b) USB (c) Mobiles (d) Memory card
11. Which of the following can document every incident that happened in the simulation and are used for examination?  
 (a) Network hardware (b) Trace file  
 (c) Net Exam (d) Net document
12. Assertion (A) : The website of first wave dotcom companies were only in English.  
 Reason (R) : The dotcom companies of first wave are mostly American companies.  
 (a) Both (A) and (R) are correct, but (R) is not the correct explanation of (A)  
 (b) Both (A) and (R) are correct and (R) is the correct explanation of (A)  
 (c) (A) is true and (R) is false (d) (A) is false and (R) is true
13. \_\_\_\_\_ is a static number that is assigned to consumers to secure card based payments. (a) BIN (b) PIN (c) CVV (d) POS

14. \_\_\_\_\_ is the process of converting plain text into meaningless cipher text  
 (a) Encryption (b) Digital signature (c) Decryption (d) Digital certificate
15. Who is called as the father of EDI? (a) Pascal  
 (b) Charles Babbage (c) Ed Guilbert (d) Dennis Ritchie

**PART - II**

Answer any six questions. Question No 24 is compulsory. 6 X 2 = 12

16. Define Multimedia.  
 17. List the two DCL commands and write its description.  
 18. What is an array in PHP? What are its main types?  
 19. What are the four variables used to connect Database server?  
 20. Expand i) HTTP ii) DNS iii) FTP  
 21. What is meant by Null modem cable? Give an example.  
 22. Write short note on NS.  
 23. What is Digital signature?  
 24. Write the output of the following program

```
<? php
$x = 2;
if($x > 5)
{
echo "x is greater than 5";
}
else
{
echo "x is not greater than 5";
}
? >
```

**PART - III**

Answer any six questions. Question No 33 is compulsory. 6 X 3 = 18

25. What is the use of Master Page?  
 26. Explain the types of PHP tags.  
 27. Write the syntax of if... else statement.  
 28. Explain the difference between Post method and Get method.  
 29. Write a note on Mobile networks.  
 30. Differentiate IPv4 and IPv6.  
 31. Write any three differences between traditional vs E-Commerce.  
 32. Write a note on UN/EDIFACT.  
 33. Define Cryptocurrency.

**PART - IV**

Answer all the following questions.

5 X 5 = 25

34. (a) Explain in detail about different file formats in multimedia files. (OR)  
 (b) Write the steps to place the text in a frame.
35. (a) Discuss on various database models available in DBMS. (OR)  
 (b) Explain operators in PHP with examples.
36. (a) Explain Function and its types with suitable examples. (OR)  
 (b) Explain switch statement with an example.
37. (a) Discuss about OSI model with its layers. (OR)  
 (b) Write short notes on:  
 i) Straight-Through Wiring (2½) ii) Roll-over Wiring (2½)
38. (a) List all the E-Commerce business models and explain any four briefly. (OR)  
 (b) Differentiate symmetric key and asymmetric key encryption.