HALF YEARLY EXAMINATION - 2022

12 - Std

COMPUTER APPLICATIONS

Time : 3.00 hrs.   Marks : 70

Part - I

Choose the correct answer:-   15 x 1 =15

1. Write the expansion of MIDI
   (a) Musical Information Digital Interpreter   (b) Musical Instrument Digital Information
   (c) Musical Instrument Digital Interface   (d) Musical Instrument Digital Identifier

2. Shortcut to fetch a Pointer Tool in PageMaker:
   (a) F2   (b) F5   (c) F7   (d) F9

3. The _____ diagram gives a logical structure of the database graphically
   (a) Entity-Role   (b) Entity-Relationship
   (c) Entity-Database   (d) Entity-key

4. What is the default file extension for PHP?
   (a) .html   (b).xml   (c) .php   (d).ph

5. What will be the output of the following PHP code?
   ```
   < ?php
   $ x=10
   $ y=20
   if ($x>$y && 1||1)
   print "hi";
   else
   print "how are u";
   ? >
   ```
   (a) how are u   (b) hi   (c) error   (d) no output

6. The _____ Loop construct provides an easy way to iterate over arrays
   (a) for   (b) for each   (c)while   (d) do.....while

7. In PHP _____ variables collect the data and prepares the response accordingly
   (a) Method   (b) $_GET,$_POST   (c) fread(),fwrite()   (d) All the above

8. Which version in PHP gives access to MySQLi database connectivity?
   (a) version 2.0   (b) version 3.0   (c) version 4.0   (d) version 5.0

9. In domain name sequence of labels are separated by
   (a) - (hypen)   (b) *(Asterik) (c) # (Hash)   (d) .(Dot)

10. Which connector is used in Ethernet cables?
    (a)RJ11   (b)RJ21   (c) RJ45   (d) RJ61

11. WWW was invented by
    (a) John Napier   (b) Tim Berners Lee
    (c) Charles Babbage   (d) Blaise Pascal

12. Which of the following software program that replicates the functioning of a computer network?
    (a) Network Software   (b) Network simulation
    (c) Network Testing   (d) Network Calculator

13. The Dotcom phenomenon deals with
    (a) Textile Industries   (b) Mobile phone companies
    (c) Internet based companies   (d) All the above

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14. Expansion of SET
    (a) Secure Enabled Transaction   (b) Secure Electronic Transaction
    (c) Secure Exchange Transaction   (d) Secure Electric Transaction

15. The versions of EDIFACT are also called as
    (a) Directories   (b) Message Types   (c) Folders   (d) Subsets

Part - II

Answer any 6 of the following questions: Q.No:24 is compulsory.   6 x 2 =12

16. List out image file formats
17. What is threading Text?
18. What are the ACID properties?
19. Find the output
```php
<?php
function sum($x,$y)
{
$z=$x+$y;
return $z;
}
echo "5+10=".sum(5,10)."<br>";
?>
```
20. Write a syntax of for each loop in PHP?
21. What is form validation in PHP?
22. What is flame wars?
23. What is Trace file?
24. What is 3D secure in electronic transaction?

Part- III

Answer any 6 of the following questions: Q.No.33 is Compulsory.   6 x 3 =18

25. What is animation? write its types?
26. What is PageMaker? State its Uses?
27. Discuss on Cardinality in DBMS?
28. Differentiate GET and POST method?
29. What are the difference between Absolute URL and Relative URL?
30. What is meant by null modem cable?
31. Classify the E-Commerce Business Models?
32. Write a short note on mining in crypto currency?
33. Find the output
```php
<?php
for($counter=0;$counter<10;++$counter){
print $counter;
}
?>
```

Part- IV

Note: Answer all of the following questions:-   5 x5 =25

34. (a) Explain briefly about the steps in Multimedia Production. *(OR)*
    (b) Write the steps to place the text in a frame.
35. (a) Discuss in detail on various types of attributes in DBMS. *(OR)*
    (b) What is array? Explain Multidimensional array in PHP?
36. (a) Discuss in detail about switch statement with an example? *(OR)*
    (b) Explain MySQLi queries with examples?
37. (a) Discuss about OSI reference model with its layers? *(OR)*
    (b) Explain the types of network cables.
38. (a) Briefly explain about Electronic Account Transfer and its types? *(OR)*
    (b) Differentiate Digital Signature and Digital Certificates?

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