



Standard 12
COMPUTER APPLICATIONS

Time Allowed: 3.00 Hours

Maximum Marks: 70

PART - I

Choose the correct answers:

15×1=15

- 1) Which of the following is a vector image file format?
a) PSD b) JPEG c) EPS d) BMP
- 2) Place option is present in _____ menu.
a) File b) Edit c) Layout d) Window
- 3) _____ is a field or multiple fields that can uniquely identify a record in a table.
a) Primary key b) Connection primary key
c) Foreign key d) Super key
- 4) How many data types does PHP support?
a) 18 b) 28 c) 8 d) 38
- 5) A user-defined function in PHP starts with keyword _____.
a) function b) def c) defined d) funct
- 6) What is the purpose of the 'increment' part of a for loop?
a) To initialize variables b) to update variables
c) To check the condition d) To execute the code block
- 7) Which version of PHP supports MySQLi functions? **5.0**
a) Version 2.0 b) Version 3.0 c) Version ~~5.0~~ d) Version 4.0
- 8) Which one of the following is not the social media?
a) Gmail b) Facebook c) Twitter d) LinkedIn
- 9) It guarantees the sending of data is successful and which checks error on question at OSI layer is _____.
a) Application layer b) Network layer
c) Transport layer d) Physical layer
- 10) Which connector is used in the Ethernet cables?
a) RJ11 b) RJ21 c) RJ61 d) RJ45
- 11) Which of the following is a software program that replicates the function of a computer network?
a) Network software b) Network simulation
c) Network testing d) Network calculator
- 12) Off-shoring means
a) work outsourced to a branch of its own company
b) work outsourced to new employees
c) work outsourced to a third party locally
d) work outsourced to a third party outside its own country
- 13) _____ refers to a payment made from one bank account to another bank account using electronic methods.
a) Electronic payment b) Direct payment
c) Indirect payment d) None of the above
- 14) _____ protocol is used for securing credit cards transactions via the Internet.
a) Secure Electronics Transaction (SET)
b) Credit Card Verification
c) Symmetric Key Encryption
d) Public Key Encryption
- 15) Which of the following is a type of EDI?
a) Direct EDI b) Indirect EDI c) Collective EDI d) Unique EDI

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PART - II**Answer any six of the following. Question number 24 is compulsory: 6×2=12**

- 16) List out Multimedia components.
- 17) What is a pasteboard in PageMaker?
- 18) What is a dynamic web page?
- 19) Write the syntax for an if...else statement in PHP.
- 20) What is the main objective of PHP and HTML from controls?
- 21) What is node in computer network?
- 22) What is a resolver?
- 23) What are the types of twisted pair cables?
- 24) List few types of business documents that are transmitted through EDI.

PART - III**Answer any six questions of the following. Question Number 33 is compulsory: 6×3=18**

- 25) List out audio file formats.
- 26) Write the use of any three tools in PageMaker along with symbols.
- 27) Write about the syntax of PHP.
- 28) Write the syntax for a switch statement in PHP.
- 29) Explain the difference between the POST method and GET method of sending data to the server in PHP.
- 30) Write a note on Resource sharing.
- 31) What are the difference between Absolute URL and Relative URL?
- 32) Write a note on UN/EDIFACT.
- 33) What will be the output for the following variable names?
\$ sum, \$ mul and \$ mod?

```

< ? php
$ n1 = 10;
$ n2 = 5;
$ sum = $ n1 + $ n2;
$ sub = $ n1 - $ n2;
$ mul = $ n1 * $ n2;
$ div = $ n1 / $ n2;
$ mod = $ n1 % $ n2;
echo "$ sum";
echo " $ sub";
echo "$ mul";
echo "$ div";
echo"$ mod";
? >

```

PART - IV**Answer all the questions:****5×5=25**

- 34) a) Discuss on various database models available in DBMS. (OR)
b) Explain the user-defined function with suitable examples.
- 35) a) Explain 'for' loop with example. (OR)
b) Explain in details types of MySQL connection method in PHP.
- 36) a) Difference between TCP/IP and OSI Reference model. (OR)
b) What is meant by Registered Jack? Explain briefly the types of Jacks.
- 37) a) List out the benefits of open source software. (OR)
b) List all the E-Commerce business models and explain any four briefly.
- 38) a) Explain the key players of a credit card payment system. (OR)
b) Differentiate symmetric key and asymmetric key encryption.

Tenkas Distall

Second Revision Test - 2011

Answer Key

Part - I

1. C) EPS
2. a) FILE
3. a) P
4. C) 8
5. a) function
6. b) to update variables
7. C) version 5.0
8. W) 8 mail
9. C) Transport layer
10. d) RJ45
11. b) Network simulator
12. d) work outsourced to a third party outside its own country
13. a) Electronic payment
14. a) secure Electronic Transaction
15. a) direct EDI

Part - II

16. 1. Text 2. Image 3. Sound 4. video 5. animation - 2 marks

17. The area outside of the ^{dark} border is referred to as the paste board. Anything that is placed completely in the paste board is not visible ^{when you} print the document (or)

You can use the Pasteboard to temporarily hold elements while designing your document - 2 marks

18. * Dynamic web page is a page whose content can change each time is viewed.

* It ^{is} well suited for creating database drive websites. - 2 marks

```

19) if (condition)
    {
    // code to be executed if condition is true; (True_block)
    }
else
    {
    // false block;
    }

```

- 2 marks

20. Main objective of PHP and HTML form controls like textbox, drop down box and radio buttons etc. and sent to server using PHP - 2 marks
- 21) A computer which is connected to a network is called as node - 2 marks
- 22) The resolver is a program which is responsible for initiating the translation of a domain name into an IP address. - 2 marks
- 23) 1. Unshielded Twisted Pair (UTP) 2. shielded Twisted Pair (STP) - 2 marks
- 24) Delivery notes, Invoices, Purchase, orders, Advance slip notice. - 4 x 1/2 = 2 marks

PART - III

- 25) • WAV • OGG • WMA
• MP3 • AIFF • RA (Any 3) - 3 marks

- 26) Pointer Tool Rotating Tool
Text Tool (OR) Any 3 Tools with explanation - 3 marks

- 27) PHP default tags, short open tags, HTML script embed tags. (With explanation) - Any 3 marks

28) Switch (expression)

```

{
  case value 1:
  // code to be executed if expression = value 1;
  break;
  }
  case value 2:
  ....
  break;
  case value 3
  ....
  break
  default:
  }

```

- 3 marks

29. POST

The Input data sent to Server with post method is stored in the request body of the client's HTTP request.

GET

The input data sent to Server with GET method via URL address is known as query string. All input data are visible by user after they click the submit button.

- 3 marks

30. * It allows all kind of programs, equipment and data to be accessed by anyone via network irrespective of the physical location of the resource. * Simply, It is sharing of devices like printers, scanner, PDA, fax machine and modem.

- 3 marks

31) Absolute URL

- 1. It is the complete address of a document on the Internet
- 2. It contains all the information that are required to find the files on the Internet.
- 3. All the four parts is very important in absolute URL

Relative URL

- It is the partial address of a document on the Internet
- It contains only file name or file name with folder name.
- Relative URL is used when the file is on the same server related to original document.

- 3 marks

32. United Nations/Electronic Data Interchange for Administration, Commerce and Transport (UN/EDIFACT) is an International EDI standard developed under the supervision of the United Nations. In 1987, the UN/EDIFACT syntax rules were approved as ISO: ISO 9735 standard by the International Organization for Standardization.

It includes a set internally agreed standards, catalogs, and guidelines for electronic exchange of structured data between independent computer systems.

33. 15 50 0
5 2 0 — 3 marks

Part-IV

34) a) Explain the following headings Hierarchical data base model, Network model, Relational model, Object oriented model — 1 mark
Explanation — 4 marks.

b) Use defined function definition — 1 mark
Syntax: — 1 mark Function-call — 1 mark Example — 1 mark
Explanation — 1 mark.

35) a) for loop Definition — 1 mark Example — 2 marks.
Syntax — 2 marks

b) Database connections — 1 mark
Syntax — 1 mark
Managing Database connections + Example — 3 marks.

36) a) Any 5 differences

b) Registered Jack Definition — 2 marks
Types — RJ 21, RJ 11, RJ 14, RJ 45 With Explanation
— 3 marks

37) a) Any 5 points

b) B2B, B2C, B2G, C2B, C2C, C2G, G2B, G2C, G2G
— 2 marks Explanation — 3 marks
(Any 4)

38) a) Bearer, merchant, Acquirer, credit card network/
Issuer — 2 marks

Explanation — 3 marks.

b) Any 5 differences — 5 marks
By

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