

Tst12CA

Common Half Yearly Examination - 2023

**Standard 12**  
**COMPUTER APPLICATION**  
**Part - I**

Time: 3.00 Hours

Marks: 70

**15x1=15****I. Choose the correct answer.**

- 1) To select an entire document using the keyboard, press .....  
a) Ctrl + A                      b) Ctrl + B                      c) Ctrl + F                      d) Ctrl + E
- 2) Mysql belongs to which category of DBMS?  
a) Object oriented    b) Hierarchical                      c) Relational                      d) Network
- 3) What does PHP files have a default file extension?  
a) .html                      b) .xml                      c) .php                      d) .ph
- 4) The loop exclusively used for arrays is .....  
a) while                      b) Do-while                      c) For                      d) Foreach
- 5) Which version of PHP supports Mysql functions?  
a) version 2.0                      b) version 3.0                      c) version 4.0                      d) version 5.0
- 6) Facebook was created in ..... year  
a) 2002                      b) 2004                      c) 2013                      d) 2010
- 7) WI-Fi stands for .....  
a) wireless Fidelity    b) wired Fidelity                      c) Wired optic                      d) Wireless optic fibre
- 8) ..... refer to other host computers by using names rather than numbers  
a) DNS                      b) TCP                      c) FTP                      d) SMTP
- 9) for (\$ x = 0; \$x < 5; \$x ++)  
    echo "Hai";  
The above loop executes how many number of times?  
a) 2                      b) 3                      c) 4                      d) 5
- 10) There are ..... number of layers in OSI  
a) 5                      b) 6                      c) 7                      d) 8
- 11) Expansion of USB  
a) Universal Server Bus                      b) Universal Serial Bus  
c) Universal Series Bus                      d) Uniform Serial Bus
- 12) Which of the following is not a tangible good?  
a) Mobile                      b) mobile apps  
c) Medicine                      d) Flower bouquet
- 13) RTGS stands for  
a) Rare Time Gross Settlement                      b) Real Term Gross Settlement  
c) Real Time Gross Settlement                      d) Random Time Gross Settlement
- 14) 3-D secure, a protocol was developed by  
a) VISA                      b) MASTER PAY                      c) RUPAY                      d) PAYTM
- 15) Who is called the father of EDI?  
a) Charles Babbage                      b) Ed Guil bert  
c) Pascal                      d) None of the above

**II. Answer any six questions. Question number 24 is compulsory. 6x2=12**

- 16) Define Multimedia
- 17) List out any four operations in PHP.
- 18) What is validation in PHP? What are their types?
- 19) What is connection string?
- 20) Expand HTTP, HTTPS, FTP
- 21) Write a short notes on NS2
- 22) What is dotcom bubble and dotcom burst?
- 23) Write about phishing
- 24) Write the syntax for an if ... else statement in PHP

by,  
E.RAJKUMAR.  
M.C.A., B.Ed,  
PG Computer Science  
Tenkasi district.  
Mobile: 8122402438

**III. Answer any six questions. Question number 33 is compulsory. 6x3=18**

- 25) What is the use of Master page?
- 26) Discuss on cardinality in DBMS
- 27) What is the syntax for defining a function in PHP?
- 28) Write a note on Mobile networks
- 29) Compare Internet, Intranet and Extranet
- 30) List out the popular open source hardware
- 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

**IV. Answer all the questions.**

**5x5=25**

- 34) a) Explain in detail about different files formats in multimedia files.

**(OR)**

- b) Write the steps to draw a star using polygon tool?

- 35) a) Explain the user - defined function with suitable examples

**(OR)**

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

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

**(OR)**

- b) Explain uses of computer networks

- 37) a) Explain the components in DNS

**(OR)**

- b) Explain the types of network cables

- 38) a) Explain any five E-Commerce revenue models

**(OR)**

- b) What are the advantages of EDI?

-----

## Tenkasi District

## Half Yearly Examination - Answer Key - 2023

1. a) CEYLA A
2. c) Relational
3. c) PHP
4. d) For each
5. d) version 5.0
6. b) 2004
7. a) wireless fidelity.
8. a) DNS
9. ~~b) 5~~
10. c) 7
11. b) universal serial Bus.
12. b) mobile apps.
13. c) Real time Gross settlement.
14. a) VISA
15. b) Ed Guilbert.

Ti 16) Multimedia allows the users to combine and change data from various sources like image, text, graphics, video, audio to a single platform. - 2 marks

(OR)

The word Multimedia consists of two words "multi" and "media" - 1 mark

Multimedia is a computer based presentation technique that incorporates text, image, sound, video and animation. - 1 mark.

- 17)
- |                         |                                  |
|-------------------------|----------------------------------|
| 1. Arithmetic operators | 4. Logical operators             |
| 2. Assignment "         | 5. Increment/decrement operators |
| 3. Comparison "         | 6. String operators              |
- Any 4
- $4 \times \frac{1}{2} = 2$

18. Validation is process of checking the input data submitted by the user from client machine. - 1 mark

1. client side validation 2. server-side validation.

- 1 mark.

19. The `mysqli_connect` function uses the variables `connect` to Database server machine via PHP script language.

\* If connection gets fail, output will be printed with MySQL error code otherwise connection is success. - 1 mark

20) HTTP - HyperText Transfer Protocol  
 HTTPS - " " " " Secure.  
 FTP - File Transfer protocol  
 - 2 marks.

21) NS2 is the abbreviation for Network Simulator version 2.

\* It <sup>was</sup> considered explicitly for exploration in network communication and event driven open source simulator in computer

\* C and C++ used to create and run NS2 (Any two)  
 - 2 marks

22) Dotcom bubble  
 The Dotcom bubble was a historic excessive growth of economy that occurred roughly between 1995 and 2000.

Dotcom burst  
 The Nasdaq - Composite Stock market index fell from 5046.86 to 1114.11. This is infamously known as the Dot Com crash or Dot Com Burst. This began on March 11, 2000 and lasted until October 9, 2002.

27)

\* Phishing is also a E-commerce threat in which a target is contacted by e-mail, telephone or text message by someone who pretend himself as a genuine authority. — 2 marks

24.

if (condition)

```
{
// True block;
```

}

else

```
{
// False block;
```

}

— 2 marks

II. 25.

\* Any text or object that you place on the master page will appear on the entire document pages. — 2 marks

\* Logos, page numbers, headers and footers are used in Master page. — 1 mark.

26.

\* It is defined as the number of items included in a relationship. — 1 mark

Types of Cardinality:

One-to-one: Ex: Person — Drives — Vehicle

One-to-many: Ex: Customer — Places — order.

Many to many: Ex: Student — Register — Course. — 2 marks

27)

Function function Name ([Parameter list])

{

// Code to be executed

}

— 3 marks

28)

\* Mobile networking assign to the technology supports voice/data, network connectivity using via radio transmission solution — 1 mark

\* Wireless communications use both data and voices are being transmitted over both circuit via

switched networks & Packet switched network

Kindly send me your answer keys to us - padasalai.net@gmail.com

29)	Internet	Intranet	Extranet
?	It is a network of digital connections - comprising private, public, business, academic and government networks connected wired by optical, wireless & fiber optic technologies.	Intranet is a private network within an enterprise to share company data and computing resources between the employees.	It is a private network - Internet technology and the public telecommunication system to securely share business information with suppliers, vendors, partners, customers or other business.

- 3 marks

- 30)
- \* Remix
  - \* Remake
  - \* Remanufacture
  - \* Redistribute
  - \* Resell
  - \* Study & Learn.

- (Any three)

- 3 marks

31) \* EFT is the electronic transfer of money over an online network.

\* The amount sent from the sender's bank branch is credited to the receiver's bank branch on the same day in batches.

\* EFT saves the effort of sending a demand draft through post and the inherent delay in reaching the money to the receiver.

- 3 marks

- 32)
- \* A digital certificate is an electronic document used to prove the ownership of a public key.
  - \* This certificate includes the information about the sender's identity, digital signature and a public key.
  - \* A digital certificate function is similar to a driving license.

- 3 marks

Kindly send me your answer keys to us - padasalai.net@gmail.com

33) for (\$1=1; \$1<=10; \$1++)  
 {  
 echo \$1. " <math>2^{<math> \$1 </math></math>";  
 }  
 3

- 3 marks.

V 34 a)

1. Production Manager
2. Content specialist
3. Script writer
4. Text Editor
5. Multimedia Architect
6. Computer Graphic Artist
7. Audio & video Specialist.
8. Computer Programmer
9. Web Master.

(EXPLAIN ANY FIVE)

- 5 marks.

- b)
1. Click on the Polygon tool from the tool box.
  2. Click and drag anywhere on the screen.
  3. Release the mouse button when the polygon is of the desired size.
  4. Choose Element > Polygon Settings in the menu bar.
  5. Type 5 in the Number sides of text box.
  6. Type 50% in Star inset text box.
  7. Click ok.

- 5 marks.

35 a) We can define a user defined function by using the 'function' keyword followed by the name of the function and a set of parentheses.

Function definition: —

Refer 3 marks Q no: 27.

calling function: function name()

function name (argument list)

Example:

- 1 marks.

b) \* The switch statement is used to specify multiple conditions. It runs a different code block for different conditions. - 2 marks

Syntax: - 2 marks

Example: - 1 marks.

36) a) \* for each loop is used to iterate over elements of an array. - 1 mark

Syntax:

```
for each ($array as $value) {
  // code to be executed; } - 2 marks
```

Example: - 2 marks

b) \* Communication \* Resource sharing \* Information sharing. - 2 marks

Explanation: - 3 marks

37) a) \* Name Space \* Name Server \* Zone \* Resolver. - 2 marks

Explanation: - 3 marks

b) Explain any 5 cables

- \* Coaxial cables
  - \* Twisted Pair >>
  - \* Fiber optics >>
  - \* USB >>
  - \* Serial & Parallel cables
  - \* Ethernet cables.
- 5 marks

38) a) ~~1. Affiliate~~ 1. Affiliate website. 5. Digital Publishing sites  
 2. Auction >> 6. Licensing sites  
 3. Banner advertisement 7. Name-your-own-price website  
 4. Bulk buying website. 8. online shopping mall.

Explain any 5 headings - 5 marks

- b)
- \* Improving service to end users
  - \* Increasing productivity
  - \* Minimizing errors
  - \* slashing response times.
  - \* Automation of operations.
  - \* Cutting costs
  - \* Integrating all business and trading partners
  - \* Providing information on process status
  - \* Optimizing financial ratios. - 5 marks

by,  
 E.RAJKUMAR.  
 M.C.A., B.Ed,  
 PG Computer Science  
 Tenkasi district.  
 Mobile: 8122402438