

Ts12CA

Tenkasi District Common Examinations
Common First Revision Examination - January 2023



Standard 12
COMPUTER APPLICATION
Part - A

Time: 3.00 Hours

Marks: 70

15 x 1 = 15

- 1) is a system which consists of nodes, the text and the link between nodes.
 - a) an executable file
 - b) desktop publishing
 - c) multimedia
 - d) hypertext
- 2) Shortcut to print a document in pagemaker is
 - a) Ctrl + A
 - b) Ctrl + P
 - c) Ctrl + C
 - d) Ctrl + V
- 3) MySQL belongs to which category of DBMS?
 - a) object oriented
 - b) Hierarchical
 - c) Relational
 - d) Network
- 4) What does PHP stand for?
 - a) Personal Home Page
 - b) Hypertext preprocessor
 - c) Pretext Hypertext Processor
 - d) Pre-processor Home page
- 5) In PHP arrays are of types.
 - a) 1
 - b) 2
 - c) 3
 - d) 4
- 6) statement can check for multiple values at a time
 - a) Switch
 - b) if . . . else
 - c) if . . . else if . . . else
 - d) if
- 7) for (\$x = 0; \$x < 5; \$x ++) echo "Hai" The above loop executes how many no. of times
 - a) 5
 - b) 4
 - c) 3
 - d) 2
- 8) PHP is a programming Language.
 - a) Client side
 - b) Server side
 - c) file side
 - d) Object side
- 9) Which version of PHP supports MySQL functions?
 - a) version 2.0
 - b) version 3.0
 - c) Version 4.0
 - d) version 5.0
- 10) Wi-Fi short name for
 - a) Wireless Fidelity
 - b) Wired Fidelity
 - c) Wired Fiber
 - d) Wireless Fiber
- 11) How many bits are used in IPV6 addresses.
 - a) 32
 - b) 64
 - c) 128
 - d) 16
- 12) Which cable is used in Cable TV to connect with setup box?
 - a) UTP cable
 - b) Fibre optics
 - c) coaxial Cable
 - d) USB cable
- 13) Which is an example of network simulator?
 - a) Simulator
 - b) TCL
 - c) NS2
 - d) C++
- 14) Pick the odd one in the credit card transaction
 - a) Card holder
 - b) merchant
 - c) marketing manager
 - d) acquirer
- 15) Secure Electronic Transaction (SET) was developed in
 - a) 1999
 - b) 1996
 - c) 1969
 - d) 1997

Part - B**6 x 2 = 12****II. Answer any 6 (24. compulsory)**

- 16) What is Webserver?
- 17) What is if . . . else statement in PHP?
- 18) Define HTML form controls?
- 19) How Computer Networks are money saving?
- 20) Expand ARP, ICMP, SMTP and DNS?

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- 21) What is meant by null modem Cable?
- 22) Distinguish between E-Business and E-Commerce?
- 23) Write short note on typo piracy
- 24) Write a PHP program to display "Welcome to PHP programming"?

Part - C

6 x 3 = 18

III. Answer any 6 (compulsory - 33)

- 25) What is the User of Master page?
- 26) What is relationship in databases? List its types?
- 27) Write the purpose of parameterized function?
- 28) Differentiate while and Do . . . while loops?
- 29) Write MySQL connection syntax with example?
- 30) What are difference between Absolute URL and Relative URL?
- 31) Explain Free Software?
- 32) What is electronic Fund Transfer?
- 33) Write about EDIFACT seperators?

Part - D

5 x 5 = 25

IV. Answer all questions

- 34) a) Explain in detail about production team Roles and Responsibilities?
(OR)
b) How can you convert text in a textblock to a frame?
- 35) a) Explain operators in PHP with example?
(OR)
b) Explain Array concepts and their types?
- 36) a) Discuss looping structures in PHP?
(OR)
b) Explain the common uses of computer network?
- 37) a) Discuss about OSI model with its Layer?
(OR)
b) What is domain name space? Explain?
- 38) a) List out the Benefits of open source software?
(OR)
b) List all the E-Commerce business models and Explain any four briefly?

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TenKasi District - First Revision Answer

Key - 2023

PART-A

1. d) HyperText
2. b) CTRIP
3. c) Relational
4. b) HyperText Preprocessors
5. c) 3
6. a) Switch
7. a) 5
8. b) Server Side.
9. d) Version 5.0
10. a) Wireless Fidelity
11. c) 128
12. c) Coaxial cable.
13. c) NS2
14. c) Marketing Manager.
15. b) 1996.

PART-B

- 16) A webserver is a Software that uses HTTP to serve the files that form webpages to users.
- 2 marks
- 17) * The IF Statement evaluates a condition and executes a set of code if the condition is true and another set of code if the condition is false.
- 2 marks
- 18) * Main objective of PHP and HTML form controls are to collect data from users.
- 1 mark
Types of form controls
Text Input, Buttons, Check box, Radio box, File select, form tag. 1 mark

19. * It reduces Paper work * Software sharing .
* Man Power
* Resource sharing - 2 marks

20. ARP - Address Resolution Protocol
ICMP - Internet Control Message Protocol
SMTP - Simple Mail Transfer
DNS - Domain Name system. - 2 marks

21. * This cable is used to join two PCs or two network devices of the same type.
* Null modem cables are the example of cross over cable. (1 mark)

22. E-Business E-commerce
1. It is a subset of E-commerce. It is a subset of E-business.
2. E-Business entirely depends on the Internet. E-commerce only commercial transaction through Internet. - 2 marks

23. * It is a variant of cyber Squatting
* Some fake websites try to take advantages of users common typo graphical errors in typing a website address and direct users to a different website. such people try to take advantage of some. - 2 marks

24. <? PHP
echo "welcome to PHP Programming";
?>
(OR)
Any valid program - 2 marks

PART-C

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. In E-R Model, relationship exists between two entities (1 1/2 marks)

Three types of relationships are available

- one-to-one relationship
- one-to-many 2 (1 1/2 marks)
- many-to-many 2

27. * PHP Parameterized functions are the functions with parameters or arguments

* Values can be passed from one function to another function through parameters. (1 mark)

* The parameter is also called as arguments, its like variables. (1 mark)

* The arguments are mentioned after the function name and inside of the parenthesis.

* There is no limit for sending arguments, just separate them with a comma notation. (1 mark)

28. while loop

1. The while loop executes a block of code as long as the condition specified in the while statement evaluates to true.
2. It executes the loop if specified condition is true.

dowhile loop

The do while loop is a bit very similar to the while loop. In the do while loop, the block of code is executed first before evaluating the condition. The condition is evaluated only at the time of exit of each iteration.

29. Syntax:

while (Condition true) {
code to be executed;
}

Sp. (OR) Any three point - 3 marks

29. MySQLi_connect ("server name", "user name",
"password", "DB Name")
- 1/2 mark

Example:

\$conn = mysqli_connect (\$servername, \$username,
\$password, \$dbname);
- 1/2 mark

Syntax:

do {
code to be executed;
} while (condition is true)

30. 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 file on the internet.

3. All the four parts is very important in absolute url.

Relative URL

1. It is the partial address of a document on the internet.

2. It contains only file name or file name with folder name.

3. Relative URL based when the file is on the same server related to original document.

- 3 marks (OR) Any three points

31. X Software usually refers to Proprietary software that users can download at no cost, but whose source code cannot be changed. X It enhances the ability of users to use and enjoy software as they see fit.

- 3 marks

32. X Electronic Funds Transfer (EFT) is the "electronic transfer" of money over an online network. X The amount sent from the sender's bank branch is credited to the receiver's bank branch on the same day in batches.

- 3 marks

33. Apostrophe)
 Plus sign + Segment Terminator
 Colon : tag & data element separator
 Question mark ? Confused " " "
 Period Release character
 Decimal point.
 - 3 marks

Part-D

- 34) a) 1. Production Manager 7. Audio & video specialist
 2. Content specialist 8. Computer programmer
 3. Script writer 9. Webmaster
 4. Text editor
 5. Multimedia Architect
 6. Computer Graphic Artist

Explain any 5 headings.

- b) Important points - Draw the frame of How-chiefs
 using one of the PageMaker's frame tool
 1. Select the text block you want to insert in the frame.
 2. click the frame while pre-ssing the shift key
 3. choose Element -> frame -> attach content on the menu bar
 4. Now the text appears in the frame.
 - 5 marks

35) a) It is a symbol which is used to perform mathematical & logical operations in the programming language.
 1. Arithmetic operators 4. Increment/decrement operator
 2. Assignment " 5. logical "
 3. comparison " 6. string "
 - 2 marks
 Explanation - 3 marks

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2) * Array is a concept that stores more than one value of the same datatype in single array variable. (1 mark)

Types 1: Indexed Array 2: Multi dimensional array
3: Associative // (1 mark)

Explanation: (3 marks)

Q) a) * It is an iterative control structures that involves executing the same block of code a specified number of times
* Fixed no of times is called Bounded loops (1 mark)

Types of loops:

- for loop
- for each //
- while //
- Do while // (1 mark)

Syntax & definition example (3 marks)

b) * Communication
* Resource sharing
* Data (or) I/O sharing
* Money saving. (2 marks)

Explanation: (3 marks)

Q) a) Physical layer - Electrical & physical specifications
 Datalink // - Data transmitted are free errors
 N/w // - The path of data packets
 Transport // - Guarantees the transport successfully
 session // - Establishes session between different
 Presentation // - Translation of data to the next layer
 Application // - Acts as the user interface platform.

Heading - (3 marks)
Explanation - (3 marks)

SFB
DATE

- b) * It was designed to achieve hierarchical Name space.
- * The names are represented as tree like structure with root element on the top
 - * Tree can have a maximum of 128 levels starting from root element taking the level 0 to level 127
 - * The domain name is always read from the lower level to higher level
 - * The root node always represents null string, and the domain name end with dot.
 - * Each node in the tree has a label and a domain name.
- 5 marks

88) a) Key Points

- * without any cost restrictions
 - * share our ideas with the team
 - * Program writing skills more efficient
 - * User Friendly.
 - * required new features
- 5 marks

- b)
- | | |
|-------------------------------|---------------------------------|
| 1. Business to Business (B2B) | 7. Government to business (G2B) |
| 2. " " consumer (B2C) | 8. " " consumer (C2C) |
| 3. " " Government (B2G) | 9. " " Government (G2G) |
| 4. Consumer to Business (C2B) | |
| 5. " " to consumer (C2C) | |
| 6. " " to Government (C2G) | |

Headings - 1 mark
Explanation - 4 marks
4 headings

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