



Standard 11

COMPUTER APPLICATION

Marks: 70

Time: 3.00 Hours

Part - I

Answer all the questions:

15 x 1 = 15

Choose the correct answer from the alternatives and write the option code with the answer.

- 1) Which refers to the number of bits processed by a computer's CPU?
 - a) Bit
 - b) Byte
 - c) Nibble
 - d) Word length
- 2) Expansion of ASCII
 - a) American School code for Information Interchange
 - b) American standard code for information Interchange
 - c) African School code for Information Interchange
 - d) American standard code for Interchange Information
- 3) File management manages
 - a) Folders
 - b) Directory systems
 - c) Files
 - d) All the above
- 4) Which key is used to move the call pointer in the forward direction within the worksheet?
 - a) Delete
 - b) Enter
 - c) Tab
 - d) Shift + Tab
- 5) Which button selects all instances of the search text in the document?
 - a) Find
 - b) Find All
 - c) Replace
 - d) Replace All
- 6) A column heading in Calc represents
 - a) Data
 - b) Symbol
 - c) Alphabet
 - d) Number
- 7) An HTML document is bounded within a pair of
 - a) <head> </head>
 - b) <body></body>
 - c) <title> </title>
 - d) <html></html>
- 8) How many levels of heading tags available in HTML?
 - a) 6
 - b) 4
 - c) 8
 - d) 3
- 9) A list block can be defined inside another list in :
 - a) Inner list
 - b) Outer list
 - c) Nested List
 - d) Listing list
- 10) Which image format was standardized by W3C?
 - a) PNG
 - b) JPEG
 - c) SVG
 - d) GIF
- 11) The declaration should be terminated by:
 - a) . (dot)
 - b) ;(Semi colon)
 - c) , (comma)
 - d) : (colon)
- 12) Predefined functions are also called as
 - a) Instructions
 - b) storage functions
 - c) Library functions
 - d) Commands
- 13) Commercial programs made available to the public illegally are known as
 - a) Freeware
 - b) Warez
 - c) Free software
 - d) Software
- 14) Which of the following is the first Tamil programming language?
 - a) Ezhil
 - b) NHM Writes
 - c) Lippikar
 - d) E-kalappai
- 15) Looking for Information on the Internet is called
 - a) Surfing
 - b) Searching
 - c) Finding
 - d) glancing

Ts11CA

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Part - II

Answer any six questions. Q.No. 24 is compulsory.

6 x 2 = 12

- 16) Distinguish Primary memory and Secondary memory.
- 17) Convert $(1111010110)_2$ into Hexadecimal number.
- 18) What is a GUI
- 19) Differentiate Files and Folders.
- 20) What are the different Packages in open office writer.
- 21) What are the types of toolbars available in open office Calc?
- 22) What do you understand by the slide layout?
- 23) What is a static Web Page?
- 24) List the search engine supported by Tamil language.

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Part - III

Answer any six questions. Q.No. 33 is compulsory.

6 x 3 = 18

- 25) Explain the attributes available with <body> tag.
- 26) What are the core tags used to create table in HTML?
- 27) Explain the attributes of <select> and <option> tags.
- 28) Write a short note on rule of CSS.
- 29) Difference between the Increment and decrement operator.
- 30) Differentiate between While and do ... while loops.
- 31) Explain the following predefined functions In Javascript
(i) isNaN() (ii) parseInt()
- 32) What are ethical issues? Name some.
- 33) What is TCP/IP?

Part - IV

5 x 5 = 25

- 34) a) Discuss the various generation of computers?
(OR)
b) What in header and footer? How do you insert page numbers in Footer area?
- 35) a) Explain the characteristics of a Micro processor?
(OR)
b) Explain the types of ROM.
- 36) a) List and explain the font and text element properties and Values used in CSS.
(OR)
b) Write a short note on:
(i) (ii)
(iii) <mark> (iv) <hr>
(v) <sub>
- 37) a) Explain the types of list with suitable HTML code.
(OR)
b) Write the different types of Cyber attacks.
- 38) a) Write a Javascript program using while statement to display 10 numbers.
(OR)
b) Explain any five internet applications with suitable examples.

Tenkasi District

First Revision - Answer key - 2m?

XI Computer Applications

Part - I

1. d) Word length
2. b) American standard code for Information Interchange
3. d) All the above
4. c) Tab
5. b) Find All
6. c) Alphabet
7. d) <html>...</html>
8. a) b
9. c) Nested list
10. c) SVG
11. b); (semi colon)
12. c) Library Functions
13. b) Warez
14. a) Ezhil
15. a) Surfing

Part - II

16. Primary Memory

1. ~~The~~ It is used to temporarily store the Programs & data.

2. It is a volatile memory

3. Example: Hard disk
RAM

Secondary Memory.

It is used to store the data permanently.

It is a non-volatile memory.

Example:

CD-Rom, DVD ROM

Any two points

- 2 Marks

17.

10-A 12-C
11-B 13-D
14-E 15-F

DATE: 8421

17. 00111010110
3 D 6

8421
0011-3
1100-12-D
~~0011-3~~
0110-6

$(1111010110)_2 = (3D6)_{16}$

- 2 Marks.

18) GUI:

Graphical user Interface is a window based system with a pointing device to direct I/O, choose from menus, make selections and keyboard to enter text. It vibrant colors attract the users very easily.

- 2 Marks.

19. File

Folders

- | | |
|--|---|
| 1. A File consists of a collection of data. | A Folder stores files & Folders. It is also called a directory. |
| 2. Each File has its own extension | A Folder does not have any Extension |
| 3. Folder & sub folder cannot be created in a file | Folder & sub folder can be created in a Folder. |

(OR) Any two difference.

- 2 Marks

20. Different Packages in open office writer:

- | | | |
|-----------------------|---------------------|---------------------|
| 1. Open office writer | 3. Open office Base | 5. Open office Draw |
| 2. Open office calc | 4. >> Impress | 6. >> Formula |

(any 4) $4 \times \frac{1}{2} = 2$

20. Slide Layout:-

* Slide layouts are pre packed layouts which contain formatting, positioning and place holders for all of the content that appears on a slide

- 2 marks

21. Toolbars:

1. Standard toolbar 2. Formatting toolbar 3. Formula bar.

- 2 marks

2.3) Static web page:

* Static web pages remain the same whenever it is visited. (Example) websites owned by small business organizations, school websites etc.

2.4) Search engine:

1. Google 2. Bing 3. Yahoo (Any two) - 2 marks.

Part-III

2.5) Attributes available with <body> tag:

<body> tag contains several attributes.
(i) Back ground colour: bgcolor = color.

The back ground color of the browser can be changed by using bgcolor tag.

<body bgcolor = color_name / color_code >

(ii) Body text colour: text = color

The text attribute within body tag is used to change the text colour.

<body text = color_name / color_code >

(iii) Background image: background = image.

When you insert an image as background, the text will be displayed on top of the image.

<body background = "image_name_with_extension" >

(iv) setting Margins: Margin = value.

The margin refers the blank area from left or top edge of the browser window.

<body left margin = value top margin = value >

- Explain any 2 headings - 3 marks with explanation.

2.6) Core tags used to create a table.

<table> - create a table <th> - defined table columns

<tr> - create rows <td> - create cell

<caption> - defines title for the table

<tbody>, <thead> and <tfoot>

- 3 marks

27. <select> & <option> Tag:

<select tag>

* The <select> tag is used to create dropdown list box in HTML.

* The <option> tag is used to specify list items

Attributes of <select> Tag:

Name - provide the name to the control, which is sent to the server.

Size - Determine the style of dropdown list box

Size = 1 dropdown list box

Size = 2 list box

Multiple - Allows user to select multiple values

Select Tag & attributes: 1 1/2 marks

Attributes of option tag

Selected - Indicate default selection

Value - Value to be submitted to server

Option Tag & attributes: 1 1/2 marks

28. Short rule of CSS:

* Selector - It is used to apply styles. It can be separated by comma

* Declaration - The block of code contains style definition

* It should be surrounded by curly braces &

Each declaration terminate with semicolon.

- 3 marks

29. Increment Operator

1. The ++ operator increments its single operand

2. The operator converts its operand to a number adds 1 to that number and assigns the incremental value back to the variable.

Decrement Operator.

The -- operator decrements its single operand

The operator converts its operand to a number subtracts 1 to that number and assigns the decremented value back to the variable.

SIPB
DATE: _____

3. Pre Increment: var a=5, b=a+1
Post Increment: var a=5, b++
(or)

Post-decrement = var a=5
b=a--
Pre-decrement: var a=5,
b--

any 3 difference

3 marks

30) while

dowhile

1. While loop is to execute a statement / block of statement repeatedly as long as an expression is true.

dowhile loop body of the loop always executed atleast once before the condition can be executed

2. Syntax:
while (condition)
{
 the body of loop
}

do
{
 body of the loop
} while (expression);

3 marks

31) i) is NaN() — It is used to check whether the given value or variable is valid number.

Example
is NaN (12) — True = 34

1/2 marks

ii) Parse Int () — Used to convert the given float value into an integer

Example: Parse Int (34.234) = 34

1/2 marks

(or) any example

32) Ethical Issue:

* An Ethical issue is a problem or issue that requires a person or organization to choose between alternatives that must be evaluated as right or wrong.

Names

2 marks

- 1. cyber crime 2. Software Piracy 3. Unauthorized access 4. hacking

1 mark

34)

The Internet works by using a protocol called TCP/IP. TCP/IP allows one computer to talk to another computer via the internet through compiling packets of data & sending them to right location (or)

The internet uses TCP/IP to transmit data via various types of media.

The Internet Protocol (IP) addressing system is used to keep track of the millions of users

3 marks

Part-IV

34) a) generation of computers:

1st Generation	1940-1956 (Vacuum Tubes)	Machine language used
2nd))	1956-1964 (Transistors)	Assembly))))
3rd))	1964-1971 (IC)	High level))))
4th))	1971-1980 (Micro processor) (VLSI)	IBM, Apple Portable computers.
5th))	1980-till date (ULI)	Artificial Intelligence
6th))	In future	Robotics

With Explanation - 5 marks

b) Header & Footer

Header - It is a section of the document that appears in the top margin which displays the title or chapter name, author name of a document.

Footer - It is a section of the document that appears in the bottom margin of the page, which displays the page number, date time etc. which gets displayed on all the pages automatically

2 marks

Inserting Header & Footer

3 marks

35) a) Characteristics of Microprocessors

- 1. Clock speed
- 2. Instruction set

2 marks

Explanation: 3 marks

b) Types of Ram

- ROM - Read only memory
- PRam - Programmable Read only memory
- EPROM - Erasable " " " " "
- EEPROM - Electrically " " " " "

Explain the above types of RAM

- 5 marks

36) a)

- Properties
- color
 - text_align
 - font_family
 - font_style
 - font_weight
 - font_size
 - background_color
 - border_color

Values

- Predefined color_name
- center/left/right/justify,
- Font name
- Normal/italic.
- Normal/Bold
- Size in pixels.
- Predefined color_name
- border thick ness <space>
- border style <space> Predefined border color

Any 5 with an example

Name
5 marks

b) - displays the text as bold - 1 mark

 - text will be in italics - 1 mark

<mark> - to highlight the text - 1 mark

<hr> - (Horizontal Rules). horizontal line. This is an empty tag, which means the tag has no contents - 1 mark

<sub> - will be displayed as subscript - 1 mark

37) a) Types of List:

- ① Unordered list
 - ② ordered list
 - ③ Definition list
- } Explain with example

- 5 marks

b) Cyber attacks:



- 1. Virus
- 2. Worms
- 3. Spyware
- 4. Ransomware

- Explain the following heading -

- 38) b)
- | | |
|--------------------------|---------------------------|
| 1. Internet Telephony | 8. E-commerce |
| 2. Job Search | 9. online Payments |
| 3. online shopping | 10. Social Networking |
| 4. Global market updates | 11. voice mail & chatting |
| 5. Travel | 12. e-banking |
| 6. Research | 13. e-learning |
| 7. Video conferencing | 14. e-governance - |

Explain any 5 with an example

- 5 marks

a) while statement to display 10 numbers.

```

<html>
<head>
<title> Program </title> </head> <body> <script language =
"javascript" type = "text/javascript">
document.write ("<h2> using while statement </h2>");
var x=0;
while (x<=9) {
document.write (x+" ");
x++;
} </script> </body> </html>
    
```

(or) Any suitable program - 5 marks

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