

Ts111CA

2

Part - II

6x2=12

Answer any 6 questions. Q.No. 24 is compulsory.

- 16) Write the functions of control unit
- 17) Convert $(46)_{10}$ into its equivalent Binary number.
- 18) What are the different Operating Systems used in computers?
- 19) What is a cell pointer?
- 20) What is a Network?
- 21) Write a short note on:
 - i) `` ii) ``
- 22) List out the popular image formats
- 23) Write the general format of linking CSS with HTML?
- 24) What is cyber crime?

Part - III

6x3=18

Answer any 6 questions. Q.No. 33 is compulsory.

- 25) What is radix of a number system? Give an example?
- 26) List out the key features of operating system?
- 27) What are the functions of windows operating system?
- 28) Classify the micro processor based on the size of the data
- 29) Write about inserting columns and rows in Calc
- 30) Differentiate Data Card and Dongles
- 31) Write a short note about the basic data types in Java Scripts
- 32) What is a function in Javascripts? Write its types?
- 33) Add:
 - a) $(-20)_{10} + (25)_{10}$
 - b) $(22)_{10} + (15)_{10}$

Part - IV

5x5=25

Answer all the questions

- 34) a) Explain the basic components of a computer with a neat diagram
(OR)
b) i) Convert $(98.46)_{10}$ to Binary number.
ii) Add: $1101010_2 + 101101_2$
- 35) a) Define slide sorter view and write its significance
(OR)
b) Explain about the changing of column width in Calc
- 36) a) What is Header and Footer? How do you insert Page Numbers in footer area?
(OR)
b) Explain any five types of Internet services.
- 37) a) Explain about the Arithmetic operator with suitable example
(OR)
b) What are the various crimes happening using the computer?
- 38) a) Explain 'for' loop with an example
(OR)
b) Explain the types of ROM?

Tenkasi District

Half yearly Examination - 2024

XI Computer Applications - Answer Key.
Part - I.

1. c) D
2. d) All the above.
3. a) Edit
4. c) Alphabet
5. b) /
6. a) Ctrl + Z
7. b) .odp
8. a) Dangles.
9. b) Site wide stylesheets
10. b) modules
11. b) 25
12. d) Dynamic Hyper text Markup Language.
13. c) Local Variable.
14. b) Decryption
15. c) Switch.

Part - II

16. Functions of Control unit:

* The control unit controls the flow of data between the CPU, memory and I/O devices
(OR)

* It also controls the entire operation of a computer.

- 2 marks

17. $(46)_{10} = (101110)_2$

- 2 marks

18. Windows, Linux, Unix, MacOS (OR) ANY TWO OPERATING SYSTEMS.

- 2 marks

19. Cell pointer is a rectangle box which can be moved around the work sheet.

- 2 marks

30. A network is a collection of interconnected devices (such as computers, printers, etc.)
- 2 marks.

31. The tag is a phrase tag. This tag displays the text as bold - 1 mark.
The tag is used to emphasize text. That means, when you use this tag, the text will be in italics.
- 1 mark.

32. GIF (Graphics Interchange Format)
JPEG (Joint Photographic Experts Group)
PNG (Portable Network Graphics)
SVG (Scalable Vector Graphics)
(write any 2) - 2 marks.

33. The tag is used to read CSS file with HTML in head section.

General form of <link> tag.

<link rel="stylesheet" type="text/css" href=css_file_name_with_extensions >
which - 2 marks

34. A cyber crime is a crime which involves computer and network.
(or)

Cyber crime is an intellectual, white-collar crime. Those who commit such crimes generally manipulate the computer system in an intelligent manner.
- 2 marks.

Part-III

35. * Each number system is uniquely identified by its base value or radix.
* Radix or base is the count of number of digits in each number system.
- 2 marks

Example: ()₁₀, ()₂, ()_e, ()₁₆ — 1 mark

26.

* User Interface

* memory management

* process " "

* security " "

* file " "

A Fault Tolerance.

— 2 marks

27.

* Access Applications (Programs) on the computer.
(Word Processing, games, spreadsheets, calculators).

* Load any new program on the computer

* Manage hardware such as printers, scanners, mouse, digital cameras

* File management activities

* creating, modifying, saving, deleting files and folders

folders

* Change computer settings, such as color scheme, screen savers of your monitor

(Note: any 3)

— 3 marks

28.

Depending on the data width, the micro processor can be classified as follows:

* 8 bit microprocessor

* 16 " " "

* 32 " " "

* 64 " " "

— 3 marks


29.

Inserting columns:

1. Select the column where a new column should be inserted

2. Right click on the selected column name that you selected. A pop up menu appears

3. click the "Insert columns" option from the menu. Now, a new column will be inserted to the left of the current

 TINI Column

(or)

1 1/2 marks

Click Insert \rightarrow Column option from the menu.

Inserting Rows:

1. select the row where you want a new row to be inserted.
2. Right click on the row number, a pop^{up} menu appears.
3. click "Insert Row" option from the menu. Now, a new row will be inserted to above the current row.

(or)

Click Insert \rightarrow Row from the menu.

- 1 1/2 marks.

30.

Data card

* It is a removable electronic card which is used for storing data.

Types of data cards:

- * Expansion Card
- * memory (or) flashcard
- * Identification Card

* refers to any removable component used for enabling extra security. USB dongles can be divided into

- * WiFi Dongles
- * Bluetooth
- * memory

- 3 marks

31.

1. strings 2. Numbers 3. Boolean

String: A string is a list of characters.

Numbers: Numbers can be integer or floating point numerical value.

Boolean: Boolean can be any one of two values true or false.

Function :-

A function is a block of JavaScript code that is defined once but may be executed or invoked any number of times. - 1 1/2 marks

JavaScript supports two types of functions:

- * predefined or library functions - 1 1/2 marks.
- * user-defined functions

32.

- 33) (a) 10000101_2 (or) 0000101_2 (or) 101_2 — 1 1/2 marks
 (b) 100101_2 (or) 00100101_2 — 1 1/2 marks.

Part-IV

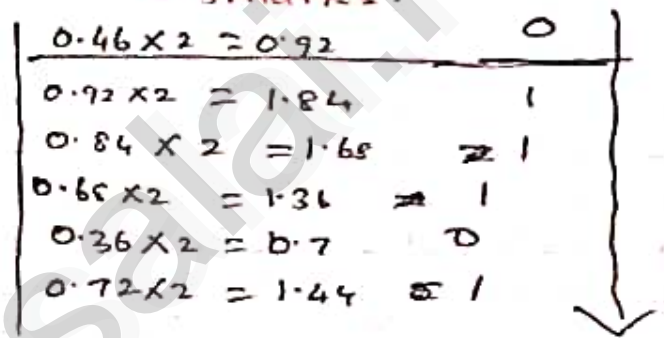
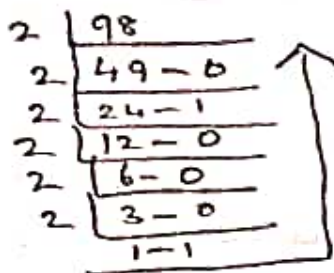
- 34) a) components of a computer with a diagram — 2 marks

components:

1. Input unit
2. central processing unit
3. output unit
4. memory unit (with EPROM)

— 3 marks.

b) i)



Ans = 1100010.011101_2

— 2 1/2 marks

(ii)

$$\begin{array}{r} 110101 \\ 010110 \\ \hline 10010111 \end{array}$$

— 2 1/2 marks

35) a)

Slide sorter view shows a thumbnail of each slide in order. Use this view to rearrange the order of slides, produce a timed slide show, or add transitions between selected slides.

— 2 marks

* Click view → Toolbars → slide view to show the slide view toolbar

* Adjust the number of slides Per row view → Toolbars → slide view will remove this toolbar from view.

* Use the control (ctrl) key: click on the first slide end, while pressing control select the other desired slides.

— 3 marks.

b) Resize the width of a column using the mouse. — 2 marks.

Resize one or more column using format → column → width. — 2 marks.

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36) a) Header: is a section of the document that appears in the top margin — 1/2 mark

Footer: is a section of the document that appears in the bottom margin. — 1/2 mark

Inserting page numbers:

- Place the insertion pointer in the footer area
- Insert → Fields → page number. — 2 marks

- b)
- | | | | |
|-------------|--------------|---------------------|---------|
| 1) wireless | 4) Broadband | 7) satellite | 2 marks |
| 2) Mobile | 5) DSL | 8) 3G | |
| 3) Hotspot | 6) cable | 9) analog/cablemod. | |

(Explain any 5) — 3 marks

37) a) Arithmetic operator

Example & result

→ Addition
→ Subtraction
→ Multiplication
→ Division
→ modulus

b) malware, Harvesting, Spam, virus, Trojan horse. — 1 mark
— Explanation — 4 marks

38) a) The for loop is a very rigid structure that loops a pre set number of times — 1 mark

Syntax: for (initialization; Condition; Increment/Decrement)

{
Body of the loop; } — 2 marks

Definition — 2 marks.

b) Rom - Read Only memory, PPRom - Programmable Read Only memory, EP Rom - Erasable programmable Read Only memory, EEPROM - Electrically Erasable Programmable Read only memory. — 2 marks
With ~~Explain~~ Explain — 3 marks.