

~~140324~~

GOVT PUBLIC EXAMINATION - 2024

COMPUTER APPLICATION - XI STD - ANSWER KEY

PART - I

1. d) RAM
2. b) 32.
3. a) Pentium III
4. b) ext2
5. c) Format
6. a) 625
7. d) F5
8. a) WLAN
9. d) <body>
10. b) Name .
11. d) SVG
12. d) Dynamic Hyper Text Markup Language.
13. c) Switch .
14. c) Local Variable .
15. d) Decryption .

PART-II

16. FUNCTIONS OF CONTROL UNIT.

\* The control unit controls the flow of data between the CPU, Memory and I/O devices.

17. CONVERT  $(46)_{10}$  into its equivalent BINARY NUMBER.

$$\begin{array}{r|l} 2 & 46 \\ \hline 2 & 23 - 0 \\ 2 & 11 - 1 \\ 2 & 5 - 1 \\ 2 & 2 - 1 \\ & 1 - 0 \end{array}$$

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

18. THE DIFFERENT OPERATING SYSTEMS USED IN COMPUTER.

\* Single User operating system.

\* Multi-User operating system.

\* Distributed operating system.

19. PROPRIETARY SOFTWARE AND OPEN SOURCE SOFTWARE.

PROPRIETARY SOFTWARE.

<u>PACKAGE</u>	<u>DEVELOPER</u>
Microsoft Word	Microsoft Corporation.
WPS Word	Kingsoft.

## OPEN SOURCE SOFTWARES.

<u>PACKAGE</u>	<u>DEVELOPER.</u>
Openoffice writer	Apache.
Abiword	Abisource.

## 20. TEMPLATE IN IMPRESS.

→ A Template is a premade design you can use to cohesiveness, visual organization and appeal to your presentation.

## 21. PHISHING

→ The practice of sending fraudulent communications that appear to come from a reputable source.

## 22. TYPES OF LISTS IN HTML.

\* Ordered List

\* Unordered List

\* Definition List

\* Nested List.

## 23. SEARCH ENGINES SUPPORTED BY LANGUAGE IN

### TAMIL.

✓ Google.

✓ Bing

✓ Yahoo.

## 24. CYBER CRIME.

↑ Cyber crime is any criminal activity.

↑ It is done using computers and the Internet.

### PART - II

## 25. CLASSIFICATION OF MICROPROCESSORS BASED ON THE INSTRUCTION SET.

→ The size of the instruction set is important consideration while categorizing microprocessors.

▲ Two types of microprocessor.

▲ Reduced Instruction set.

▲ Complex Instruction set.

## 26. TWO WAYS TO CREATE A NEW FOLDERS.

### METHOD 1:

STEP 1: Open Computer Icon.

STEP 2: Open any drive where you want to create a new folder.

STEP 3: Click on file → New → Folder

### METHOD 2:

STEP 1: In the Desktop, right click → New → folder

STEP 2 : A folder appears with the default name "New folder".

STEP 3 : Type the name you want and press enter key.

27.  $A_1 = 34$  ,  $A_2 = 65$  ,  $A_3 = 89$ .

Find the average, Using any one of the following way :

$$i) = \text{AVERAGE}(A_1 : A_3) = 62.7\%$$

28. ATTRIBUTES AVAILABLE IN <HTML> TAG:

ATTRIBUTE : dir. , lang.

value to be set to attributes :

ltr (align left to right)

rtl (align right to left)

Description : dir attribute specifies the direction of the text to be aligned within the entire document.

29. MAIN ATTRIBUTES USED WITH <FORM> TAG.

<FORM> tag use method and action attributes.

METHOD : It is used to identify how the form element names and values.

## ACTION.

- \* It identifies the server side program or script that will process the form.

## 30. DATA TYPES IN JAVASCRIPT.

STRING - A list of characters and a string literal is indicated by enclosing the characters in single or double quotes.

NUMBER - Can be integer or floating-point numerical value and literals are specified in the natural way.

BOOLEAN - Literals are indicated by using true or false.

## 31. ADVANTAGES OF USING CSS.

### MAINTAINABILITY.

- \* CSS are also defined and stored as separate files.

### REUSABILITY.

- \* The styles defined in CSS and can be reused in multiple HTML pages.

32. FUNCTIONS IN JAVASCRIPT - TYPES.

\* A function is a block of javascript code that is defined once but maybe executed or invoked any number of times.

33. Add: a)  $(-20)_{10} + (25)_{10}$ .

$$\begin{array}{r}
 2 \overline{) 20} \\
 \underline{2 \phantom{0}} \phantom{0} \\
 0 \phantom{0} \\
 2 \overline{) 10} - 0 \\
 \underline{2 \phantom{0}} \phantom{0} \\
 0 \phantom{0} \\
 2 \overline{) 5} - 0 \\
 \underline{2 \phantom{0}} \phantom{0} \\
 3 \phantom{0} \\
 2 \overline{) 2} - 1 \\
 \underline{2 \phantom{0}} \phantom{0} \\
 0 \phantom{0} \\
 1 - 0 \quad \uparrow
 \end{array}$$

$$(20)_{10} = (10100)_2$$

Binary equivalent of 22 = 10100.

8 bit format

1's complement

Add 1 bit

$$\begin{array}{r}
 = 00010100 \\
 = 11101011 \\
 \phantom{=} + 1 \\
 \hline
 = 11101100
 \end{array}$$

$$\begin{array}{r}
 2 \overline{) 25} \\
 \underline{2 \phantom{0}} \phantom{0} \\
 5 \phantom{0} \\
 2 \overline{) 12} - 1 \\
 \underline{2 \phantom{0}} \phantom{0} \\
 0 \phantom{0} \\
 2 \overline{) 6} - 0 \\
 \underline{2 \phantom{0}} \phantom{0} \\
 0 \phantom{0} \\
 2 \overline{) 3} - 0 \\
 \underline{2 \phantom{0}} \phantom{0} \\
 1 - 1 \quad \uparrow \\
 \hline
 (11001)_2
 \end{array}$$

$$-(20)_{10} = 11101100.$$

$$(25)_{10} = \underline{00011001} +$$

$$\underline{(5)_{10}} \quad \underline{100000101}$$

Ans:  $(5)_{10} = (100000101)_2$

6)  $(22)_{10} + (15)_{10}$

$$2 \overline{) 22}$$

$$2 \overline{) 11} - 1$$

$$2 \overline{) 5} - 1$$

$$2 \overline{) 2} - 1$$

$$\underline{1 - 0} \uparrow$$

$$(22)_{10} = (10111)_2.$$

$$(15)_{10}.$$

$$2 \overline{) 15}$$

$$2 \overline{) 7} - 1$$

$$2 \overline{) 3} - 1$$

$$\underline{1 - 1} \uparrow$$

$$(15)_{10} = (1111)_2.$$

$$(22)_{10} = 00010111$$

$$(15)_{10} = \underline{00001111} +$$

$$\underline{(37)_{10} = 00100110}$$



Ans:  $(37)_{10} = (00100110)_2$ .

### PART-IV

#### 34. TYPES OF ROM.

- READ ONLY MEMORY (ROM).
- PROGRAMMABLE READ ONLY MEMORY (PROM)
- ERASABLE PROGRAMMABLE READ ONLY MEMORY (EPROM).
- ELECTRICALLY ERASABLE PROGRAMMABLE READ ONLY MEMORY (EEPROM).

#### 35. FIVE TYPES OF INTERNET SERVICES.

- \* MOBILE.
- \* HOTSPOTS.
- \* DSL
- \* Cable.
- \* SATELLITE.

#### 36. CREATING A USER INTERFACE FOR AN OPERATING SYSTEM.

- User interface should enable the user to retain this expertise for a longer time.
- The user interface should also satisfy

the customer based on their needs.

- The User interface should save user's precious time.

### 37. POPUP DIALOG BOXES IN JAVASCRIPT.

✓ Dialog Boxes also called as popup Boxes.

✓ Three kind of dialog Boxes or popup Boxes are,

- ▲ Alert Box
- ▲ Confirm Box
- ▲ Prompt Box.

### 38. DIFFERENT TYPES OF CYBER-ATTACKS.

#### VIRUS.

→ A virus is a small piece of computer code that can repeat itself and spreads from one computer to another.

#### WORMS.

→ Worms are self-repeating and do not require a computer program.

SPYWARE.

→ Spyware can be installed on the computer automatically.

RANSOMWARE.

→ It's a type of malicious program that demands payment after launching a cyber-attack on a computer system.



P. ANAND, M.A., M.Ed., DCA.,  
HEAD MASTER  
Muthuvar Mukkulathore Hr. Sec. School  
Thirunagar, MADURAI - 625 006

N. VENNILA

PGT (Computer Science /  
Computer Applications)  
Muthuvar Mukkulathore  
Higher Secondary School.  
Thirunagar.  
Madurai - 6.