



Negombo Education Zone
Second term Evaluation - 2024
Information and Communications Technology

Name - :

2024.09.

Grade 11

Paper I and II

Time 03 hours

Information and Communication Technology — Paper I

Note :

- ❖ Answer all the questions.
- ❖ In each of the questions from 1 to 40, pick one from the alternatives (i), (ii), (iii), (iv) which you consider as correct or more appropriate.
- ❖ Mark a cross (x) on the number corresponding to your choice in the answer sheet provided.
- ❖ Further instructions are given on the back of the answer sheet, Follow them carefully.

1. What is not a characteristic in quality of an information?

- (1) Cost effective . (2) Completeness.
 (3) Efficiency . (4) Timeliness.

2. Which one is related to Government to Citizen (G2C) service in Sri Lanka

- (1) For renewal of vehicle licenses (2) Business registration
 (3) Details of loan facilities for government employees (4) Details of embassies and visa facilities

3. Which answer describes the characteristics of the second, third and fifth generations of computers respectively?

- (1) The processor is fast, high heat generation and can be updated .
 (2) Low heat generation, use operating system, portability.
 (3) Cannot upgrade, not portable, based on artificial intelligence .
 (4) High power consumption, larger in size, expensive .

4. Which one of the following related to impact printer?

- A- Thermal printer B- Inkjet Printer C- Printer with laser technology D- Line printer
 (1) A only. (2) B only. (3) C only. (4) D only.

5. Which one of the following belongs to pointing devices ?

- A- The mouse B- Flatbed printer C - Light Pen D - Barcode reader
 (1) A and C only. (2) A, B and C only. (3) A, C and D only. (4) A and D only.

6. What is the octal number equal to 325_{10} ?

- (1) 145_8 (2) 505_8 (3) 325_8 (4) 405_8

7. What is the hexadecimal number equal to 001000000110_2 ?

- (1) 206_{16} (2) 518_{16} (3) 106_{16} (4) $20E_{16}$

8. What is the hexadecimal number equal to 1256_8 ?

- (1) 686_{16} (2) $2AC_{16}$ (3) $2AE_{16}$ (4) $2AF_{16}$

9. Which of the following belongs to BCD value ?

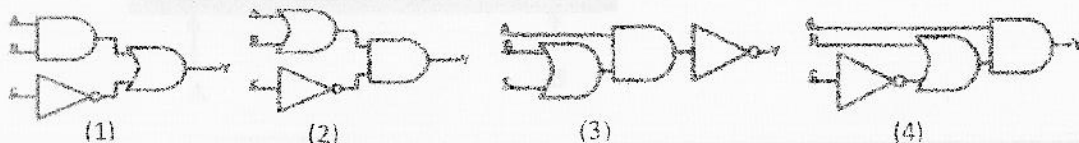
- (1) 1111 (2) 1101 (3) 0101 (4) 0010011

10. Which of the following statements is/are true ?

- A- ASCII The encoding scheme can represent 128 characters .
 B- EBCDIC encoding system can represent 2^4 characters .
 C- BCD encoding system can represent 16 characters .

- (1) A and B only . (2) A and C only . (3) A only . (4) B and C only .






11. Consider the following logic circuits. What is the logic circuit provide output $Y = A.B + \bar{C}$?



12. What is shortcut key used to insert a hyperlink into a document?

- (1) Ctrl + H (2) Ctrl + F (3) Ctrl + K (4) Ctrl + C

13. What is the icon to make indentions in word processing?

- (1)   (2)  (3)  (4) 

14. Which pair of icons can be used to convert a selected text into two different types of lists ?

- (1)   (2)  (3)  (4) 

15. Which of the following keyboard shortcuts can be used to select the whole document in a word processing software ?

- (1) Ctrl + B (2) Ctrl + C (3) Ctrl + A (4) Ctrl + V

• Consider the following spreadsheet to answer questions 16, 17 and 18.

16. What will appear when the formula =count(A1:C1, C3) is entered into cell A4 ?

- (1) 9 (2) 6 (3) 4 (4) 2

17. What will appear when the formula =A1^C3*(C1-B1) is entered into cell B4 ?

- (1) 8 (2) 4 (3) 6 (4) 2

18. Select the valid cell addresses from the following?

A- =A1 B- =1A\$ C- =A\$1 D- =A1\$

- (1) A and D (2) B and D (3) A and C (4) C and D

19. Which of the following keys can be use by pasindu to move into the next slide while doing the presentation?

- (1) Esc key and Enter key only (2) Enter key and Spacebar key only
(3) Enter key only (4) Esc key and Spacebar key only

| | A | B | C | D |
|---|----|----|----|---|
| 1 | 13 | 12 | 14 | |
| 2 | 15 | 17 | 16 | |
| 3 | 18 | 19 | 11 | |
| 4 | | | | |

• To answer question numbers 20 to 23, consider the two database tables shown below.

| ආයතන දිගුව (Employment Table) | | | |
|-------------------------------|-----------------|------------------|--------|
| Emp_ID | Emp_Name | Designation | Pro_ID |
| E001 | Pasindu Anugas | Manager | P4 |
| E002 | Dishen Fernando | Project Engineer | P3 |
| E003 | Yenull Fernando | ICT Officer | P2 |
| E004 | Sinelli Perera | System Analyst | P1 |

| ප්‍රොක්ට් (Project Table) | |
|---------------------------|----------------------------|
| Pro_ID | Project Name |
| P1 | Hospital Management System |
| P2 | E_Thaksalawa LMS |
| P3 | Supermarket POS System |
| P4 | GPS Navigation System |

20. What is the most appropriate primary key for the employee table ?

- (1) Pro_ID (2) Emp_ID + Pro_ID (3) Pro_ID (4) Emp_ID

21. What is a foreign key in those tables ?

- (1) Employee Table – Emp_ID (2) Employee Table – Pro_ID
(3) Employee Table (Employment Table) – Emp_ID and Pro_ID (4) Projects Table (Project Table) – Pro_ID

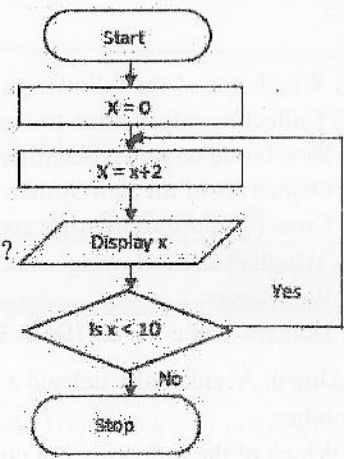
22. What is the most appropriate data type for Emp_ID field ?

- (1) Boolean (2) Number (3) Text (4) Currency

23. What is the facility provided by database management systems to find the name and position of the employee who has been engaged with the Hospital Management project ?

- (1) Reports (2) Data forms (3) Tables (4) Query

• Consider the given flowchart to answer questions 24 to 26 .



24. What are the outputs of the flowchart the

- (1) 0,2,4,6,8 (2) 2,4,6,8
 (3) 2,4,6,8,10 (4) 2,10

25. What are the control structures use to develop computer program based on flowchart ?

- A - if then B - if then else C - while - endwhile
 (1) A only . (2) B only .
 (3) C only . (4) B and C only .

26 . What would be the output, if the Yes and No labels were shifted,? .

- (1) display number 2 . (2) display number 10 . (3) Nothing display . (4) Display number 8

27 .What is the correct statement if X is an integer variable?

```

X=10
Do While N>=5
N=N - 1
Loop
  
```

- (1) It runs 6 times . (2) it runs 5 times.
 (3) It never starts . (4) Never ends .

28 . Which one of the following containing the false statment regarding variable ?

- (1) A variable (name) has a name .
 (2) A variable is associated with one or more memory locations .
 (3) A variable has a data type .
 (4) The value of a variable remains unchanged .

29. What is the results provided by the statement $2-5*3+1$ with respect to operator precedence in Pascal programming?

- (1) 10 (2) 12 (3) 14 (4) 18

30. Consider the following Pascal code .

What is the output of the code

31. The following 3 characteristics A,B,C, are new system deployment methods. Select the suitable deployment methods according to the characteristics?

- A -The risk is low but the cost is high .
 B -Initial implementation of a system in a small scale field .
 C -Each successful stage moves on to the next stage and when the last stage is completed the old system is replaced by the original system .

- (1) Direct deployment (Direct), pilot deployment (Pilot) , phase deployment (Phase)
 (2) Parallel deployment (Parallel), phase deployment (Phase), pilot deployment (Pilot)
 (3) Direct deployment (Direct, Phase deployment, Pilot deployment
 (4) Parallel deployment (Parallel) ,pilot deployment (Pilot), phase deployment (Phase)

32. Which one of the following statements, relevant to the Designing the Solution
- (1) Collecting information to identify user needs .
 - (2) New based on newly identified user needs System design doing
 - (3) Objectives of the new system , Preparation of a written note on efficiency etc.
 - (4) Creating appropriate software interface data warehouses and related infrastructure.
33. Which of the following server converts domain names into IP addresses ?
- (1) Web Server
 - (2) Mail Server
 - (3) Domain Name Server (DNS Server)
 - (4) Multimedia Server
34. Dineth Accidentally deleted a message in his email account. Where those deleted mails stored?
- (1) Inbox
 - (2) Sent
 - (3) Trash
 - (4) Drafts
35. Which of the following is a correct of an Internet Protocol (IP) address ?
- (1) 193.40.75
 - (2) 172.240.60.1
 - (3) 192.80.12.2.
 - (4) 192.256.6.3
36. Which of the following combinations correctly indicates an Internet service and its protocol?
- A- WWW →FTP
 - B- E-mail →SMTP
 - C- IP address exchange →HTML
 - D- Email →FTP
- (1) A only .
 - (2) B only .
 - (3) B and C only .
 - (4) D only .
37. Sineth created a graphic using GIMP software , if he used 4 bits to represent a pixel to create graphic , how many colors can be represent ?
- (1) 15
 - (2) 16
 - (3) 8
 - (4) 4
38. Which of the following is true about raster graphics ?
- (1) Raster graphics are high quality and high capacity .
 - (2) Raster graphics are low quality and low capacity .
 - (3) Raster graphics are low in quality and high capacity .
 - (4) Raster graphics are high in quality and low capacity .
39. Which of the following is a false statements regarding HTML?
- (1) HTML tag have three parts as Elements , Attributes and Value .
 - (2) HTML is not case sensitive .
 - (3) An error is not display when an HTML incorrectly written .
 - (4) Each tag should consist of an opening tag and a closing tag .
40. Which of the following contains the basic structure of an HTML web page ?
- (1) HTML, Body, Head
 - (2) HTML, Title, Head, Body
 - (3) HTML, Body, Title, Head
 - (4) HTML, Head, Title, Body



Name : _____

2024/09/09

11 Grade

Paper II

the time (2 hours)

සැලකිය යුතුයි:

- පළමුවන ප්‍රශ්නය සහ තෝරාගත් තවත් ප්‍රශ්න හතරක් ද ඇතුළු ව ප්‍රශ්න පහකට පමණක් පිළිතුරු සපයන්න.
- පළමුවන ප්‍රශ්නයට ලකුණු 20 ක් හිමිවන අතර ,අනෙක් සෑම ප්‍රශ්නයකටම ලකුණු 10 බැගින් හිමි වේ.

1. (i). A fingerprint machine is connected to a computer based system to record the attendance of a employees in a institution and the attendance report taken at the end of the month .

Write one example each for input and output of the above computer based system .

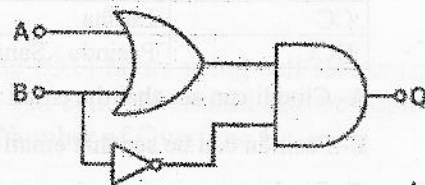
(ii). Four computer ports labeled A to D shown in the figure .

| | | | | |
|--------------|---|---|---|---|
| Port | | | | |
| ලේබලය(Label) | A | B | C | D |

- (a). Multimedia projector and modern digital TV screen uses **HDMI cable**. Write down the label of the port that can be used to connect it .
- (b). Multimedia projector uses **VGA cable** .Write down the label of the port that can be used to connect it.

(iii) Convert 65_{10} to its binary equivalent.

(iv) Write the Boolean expression and draw the truth table for the given logic circuit .



(v) Dishen engaged in photography as a hobby . He saved photos which is taken during school education trip in the "C:\Pictures\". He decides to install Windows 11 , which is the latest operating system.

What Dishen should do to protect his data before install the windows 11.

(vi) Some of the formatting options available in word processing software are given below .

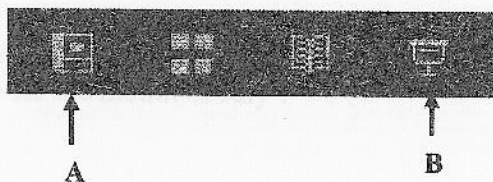
| | | | | | | | |
|--------|---|---|---|---|---|---|---|
| Option | | | | | | | |
| Label | P | Q | R | S | T | U | V |

What labels used to form the following sentence .

Before formatting :Artificial intelligence is the science of making machines that can think like humans.

After formatting : Artificial intelligence is the science of making machines that can think like humans.

(vii) Following views which is labeled A and B can be seen in an electronic presentation software. Name the label A and B



(viii) Write the output of the following Pascal program .

```

Program DisNum;
Var X : integer;
Begin
  X := 1;
  While X<=5 do
  Begin
    X := X+1;
    Write(X);
  End;
End.

```

(ix) Determine whether the following clauses are true or false related to the GIMP software

- ①- The part of the image can be cut from image by crop tool .
- ②- Magic Wand/Fuzzy tool can be used to select similar colored areas of an image .
- ③- Move tool (Move) can be used to move an image or part of it to another place .
- ④- The Rectangle tool can be used to select rectangular shaped parts of an image .

(x) Cheers to Sineli , Vinuki , Liasha , Pasindu and Sandaruwan An email message sends Its email address is given below. A, B, C and D Write down whether the following clauses labeled as true or false . Label the clauses and indicate true/false in your answer.

| | |
|-----|----------------------|
| To | Cinelli , Vinuki |
| CC | Liasha |
| BCC | Pasindu , Sandaruwan |

- A- Cinelii can see that the email was sent to Vinuki.
- B- Pasindu can be see that cmail message to Sineli , Vinuki and Liasha .
- C -Sandaruwan can see the email has been sent to Pasindu, Sineli , Vinuki and Liasha .
- D – Pasindu cannot see that the email message was sent to Sandaruwan .

| | | | | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| V | U | T | S | R | O | E | L | A |

2. Below is a part of the spreadsheet related to the preparation of salaries for the month of July in ABC .

| | A | B | C | D | E | F | G | H | |
|----|--|-------------------|-------------------|----------------|------------------------------|-----------------------------------|----------------|----------------------------------|----------------|
| 1 | ABC Company (PVT) Ltd. - මාසි මාසය (July) | | | | | | | | |
| 2 | අනු- අංකය | නම | මූලික වැටුප (Rs.) | අතිකාල පැය ගණන | අතිකාල පැය සඳහා ගෙවීම් (Rs.) | මුළු ගෙවීම් පෙර බුද් ගෙවීම් (Rs.) | බදු මුදල (Rs.) | මුළු මුදල අනු කළ පසු වැටුප (Rs.) | |
| 3 | 1 | Anishka Madhushan | Rs. 50,000.00 | 20 | Rs. 4,000.00 | Rs. 54,000.00 | Rs. 4,320.00 | Rs. 49,680.00 | |
| 4 | 2 | Anupama Fernando | Rs. 50,000.00 | 22 | Rs. 4,400.00 | Rs. 54,400.00 | Rs. 4,352.00 | Rs. 50,048.00 | |
| 5 | 3 | Dishan Fernando | Rs. 50,000.00 | 21 | Rs. 4,200.00 | Rs. 54,200.00 | Rs. 4,336.00 | Rs. 49,864.00 | |
| 6 | 4 | Pahan Fernando | Rs. 45,000.00 | 20 | Rs. 4,000.00 | Rs. 49,000.00 | Rs. 3,920.00 | Rs. 45,080.00 | |
| 7 | 5 | Pahasara Fernando | Rs. 45,000.00 | 18 | Rs. 3,600.00 | Rs. 48,600.00 | Rs. 3,888.00 | Rs. 44,712.00 | |
| 8 | 6 | Pasindu Anuthas | Rs. 45,000.00 | 20 | Rs. 4,000.00 | Rs. 49,000.00 | Rs. 3,920.00 | Rs. 45,080.00 | |
| 9 | 7 | Sineth Perera | Rs. 50,000.00 | 22 | Rs. 4,400.00 | Rs. 54,400.00 | Rs. 4,352.00 | Rs. 50,048.00 | |
| 10 | 8 | Anjana Fernando | Rs. 45,000.00 | 21 | Rs. 4,200.00 | Rs. 49,200.00 | Rs. 3,936.00 | Rs. 45,264.00 | |
| 11 | 9 | Dineth Fernando | Rs. 50,000.00 | 19 | Rs. 3,800.00 | Rs. 53,800.00 | Rs. 4,304.00 | Rs. 49,496.00 | |
| 12 | 10 | Sandamith Perera | Rs. 50,000.00 | 18 | Rs. 3,600.00 | Rs. 53,600.00 | Rs. 4,288.00 | Rs. 49,312.00 | |
| 13 | මාසය සඳහා මුළු ගෙවීම් | | | | | | | | Rs. 478,584.00 |
| 14 | එහි මුළු බදු මුදල | | | | | | | Rs. 4,352.00 | |
| 15 | අනුමත බදු මුදල | | | | | | | Rs. 3,888.00 | |
| 16 | අතිකාල(OT) පැයක් සඳහා ගෙවන මුදල(Rs.) | | | Rs. 200.00 | | | | | |
| 17 | බදු ප්‍රතිශතය | | | 8% | | | | | |

(i). Write the formulae to find the amount payable to Anishka for overtime (OT) hours using cell references only . (Note : The amount paid for one hour of overtime (OT) is recorded in cell C16 should also be copied for other employees' overtime payments . (Overtime Pay =Hourly Pay * Number of Overtime Hours)

(ii) Write down the formula to be entered in cell F3 to find Anishka's payment before tax .(The formula used to calculate total pay before tax is , (Total pay before tax = basic salary + pay for overtime hours)

(iii) Function to be entered in cell G14 to find the maximum tax amount for the month of July write as =function1(cell1:cell2)

(iv) Find the salary after deduction of tax, enter the following formula in cell H3 and that formula is copied to the rest of the employees , write down the formula written in the cell to find the salary of Pasindu after deduction of tax .

(Salary after deduction of tax = Total payment before tax - Tax amount)

(v) Write down the function to be entered in the cell H13 to find the total payment after deduction of tax for the month of July using = function2(cell3:cell4)

(vi) Which one from the column and pie graphs would be most appropriate to compare the total payments for each employee for the month of July ?

3. Below are some table parts of a database containing information about 'One Galle Face PVR Cinema' in Colombo.

| Film Table (Film_Table) | | | |
|-------------------------|-----------------------|---------|------------------|
| Film_ID | Film_Name | Medium | Duration (Hours) |
| F001 | Raayan | Tamil | 2 |
| F002 | It ends with us | English | 2 |
| F003 | Puththu Saha Piyawaru | Sinhala | 2 |
| F004 | Kathuru Mithuru | Sinhala | 2 |
| F005 | Quiet Place 3 | English | 2 |

| Show Table (Show_Table) | | |
|-------------------------|---------|---------|
| Show_ID | Time | Film_ID |
| SH001 | 10.15PM | F001 |
| SH002 | 9.50PM | F002 |
| SH003 | 6.45PM | F003 |
| SH004 | 7.05PM | F004 |
| SH005 | 8.15PM | F005 |

| Audience Table | | | |
|----------------|------------|---------|---------|
| Cust_ID | Tel_No | Show_ID | Seat_No |
| C0001 | 0114457986 | SH003 | 212 |
| C0002 | 0334453698 | SH003 | 213 |
| C0003 | 0332257896 | SH001 | 214 |

(i). (a). Write the primary key in the Film table.

(b). Write the foreign-key in the audience table

(ii). Which tables should be updated to meet the following ?

(a). A 2 hour English movie titled "Alien:Romulus" (Film_ID: F006) at PVR Cinemas (Show_ID: SH006) at 11.30.

(b). 'C0004' A new person with phone number is 0771895367 reserved for watch the movie named 'Puththu Saha Piyawaru' in the seat number 220.

(iii) Write the updated record of the above table(s) in part (ii)(a) above **tablename --> (field1 , field2 , ...)**

(iv). The person 'C0002' wanted to find the name of the movie he watched . Which tables need be linked for this?

4. (i) Answer parts (a), (b) and (c) based on the pseudo code shown below.

Begin

Total = 0

Count=1

While Count < 11

 Input number as Num

 Calculate Total=Total + Num

 Count=Count+1

Endwhile.

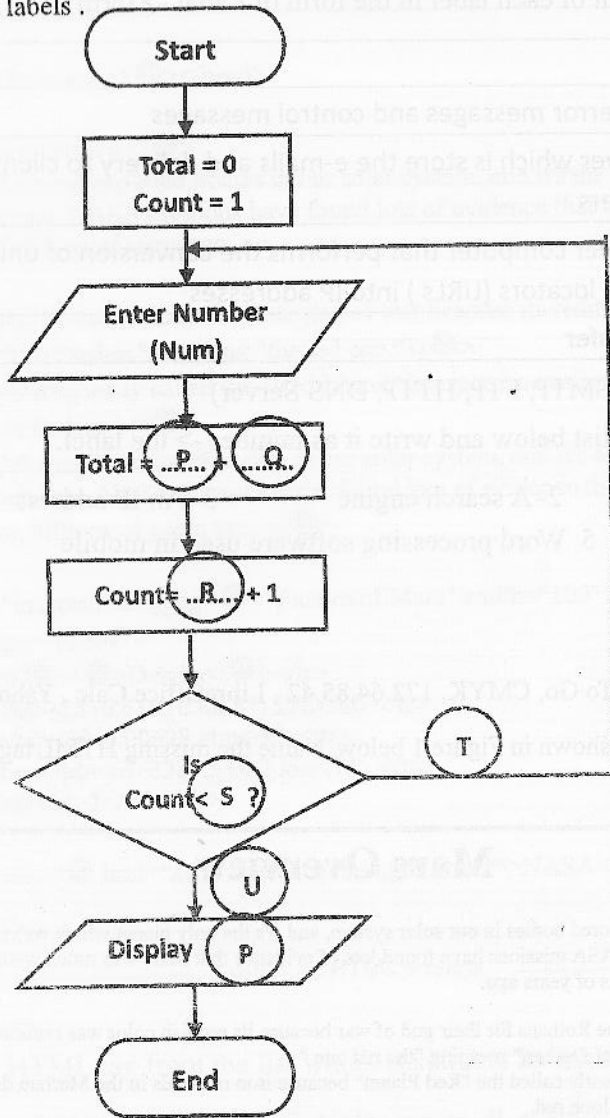
Display Total

End.

(a) What is the purpose of the above code ?

(b) What happens if the statement 'Count=Count +1' removed from the above code?

(c) As shown in the flow chart given below, drawn from the mock code given above Identify and write the correct clauses for the labels .



05: (i) Match the details indicated by the labels shown in A to D with the correct terms in the list given below. Write the corresponding term in front of each label in the form of Label ->Term

| label | Term |
|-------|---|
| A | Display error messages and control messages |
| B | The server which is store the e-mails and delivery to client computers |
| C | The server computer that performs the conversion of uniform resource locators (URLs) into IP addresses |
| D | File transfer |

List : { (Mail Server, ICMP, SMTP, FTP, HTTP, DNS Server)

(ii) Select the correct label from the list below and write it as number -> the label.

- 1- A computer user interface 2- A search engine 3- An IP address
 4- Color Substitute phones 5 Word processing software used in mobile
 6 -A web browser

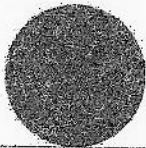
list : { (145 .256 .45 .85, Documents To Go, CMYK, 172.64.85.42 , LibreOffice Calc , Yahoo, Safari , GUI)

(iii) The HTML source of the web page shown in Figure 1 below. Name the missing HTML tags shown in a figure 2 with a lable from 1 to 10.

Mars Overview

Mars is one of the most explored bodies in our solar system, and it's the only planet where we've sent rovers to explore the alien landscape. NASA missions have found lots of evidence that Mars was much wetter and warmer, with a thicker atmosphere, billions of years ago.

- Mars was named by the Romans for their god of war because its reddish color was reminiscent of blood. The Egyptians called it "Her Desher," meaning "the red one."
- Even today, it is frequently called the "Red Planet" because iron minerals in the Martian dirt oxidize, or rust, causing the surface to look red.
- Mars is one of the most explored bodies in our solar system, and it's the only planet where we've sent rovers to explore the alien landscape. NASA missions have found lots of evidence that Mars was much wetter and warmer, with a thicker atmosphere, billions of years ago.



| Feature | Details |
|-------------|---------------------|
| Surface | 0.636 (0.40,87) kPa |
| Pressure | 0.00628 atm |
| Mean Radius | 3389.5±0.2 km |
| Moons | 2 |

For More Details : [NASA](#)

```

<html>
<head><①> Mars Overview </①></head>
<②>
<③> <center> Mars Overview </③>
<p>Mars is one of the most explored bodies in our solar system, and it's the only planet where we've sent rovers to
roam the alien landscape. NASA missions have found lots of evidence that Mars was much wetter and warmer, with a
thicker atmosphere, billions of years ago.
<④>
<⑤> Mars was named by the Romans for their god of war because its reddish color was reminiscent of blood. The
Egyptians called it "Her Desher," meaning "the red one." </⑤>
<⑥> Even today, it is frequently called the "Red Planet" because iron minerals in the Martian dirt oxidize, or rust,
causing the surface to look red. </⑥>
<⑦> Mars is one of the most explored bodies in our solar system, and it's the only planet where we've sent rovers to
explore the alien landscape. NASA missions have found lots of evidence that Mars was much wetter and warmer, with
a thicker atmosphere, billions of years ago. </⑦>
</④>
<center><img ⑧="images/mars.jpeg" ⑨="Picture of Mars" width="100" height="100"></center>
<⑩ border="1" align="center">
<tr><⑪>Feature</⑪><⑫>Details</⑫></tr>
<tr><td>Surface</td><td>0.636 (0.40.87) kPa</td></tr>
<tr><td>Pressure</td><td>0.00628 atm</td></tr>
<tr><td>Mean Radius</td><td>3389.5±0.2 km</td></tr>
<tr><td>Moons</td><td>2</td></tr>
</⑩>
<p> For More Details: <⑬ href="https://science.nasa.gov/mars/">NASA</a></p>
</②>
</html>

```

ശ്രദ്ധ 2 : HTML തിരഞ്ഞെടുക്കൽ

Select the correct HTML tag from the list which is suitable for table 1 from 10

list : { (a, th, body, alt, tr, src, ol, h1, li, h2, table, center, dl, p, title, td)




6. (i) Anupama supposed to share the photos taken at the School Education trip in 2024 with his friends. But capacity of the images are too high. Shashiranga reminded graphic compression modes and those images need to be printed in original quality. Therefore Anupama needs to compressed and transmitted without loosing the quality of the images.

(a) Name the two forms of graphic compression

(b) What form of graphical compression would you suggest for above situation? Name 2 file formats for suggest compression.

(ii) Some of the icons available in GIMP software are given below in the table toolbar. Match the each tool of the number from 1 to 3 with the name of the label P to R are given in table. The task related to the tool is given in the task column X to Z. Write the tool number letter corresponding to the name of the tool corresponding function letter.

(Tool no The character corresponding to the name of the tool function character)

| | The tool | | name | | the task |
|---|---|---|--------------------|---|---|
| 1 |  | P | Clone | X | A color for the selected part or To apply a pattern. |
| 2 |  | Q | Fuzzy (Magic Wand) | Y | To copy a selected part of the graphic to another location. |
| 3 |  | R | Bucket Fill | Z | To select related parts of the same color. |

7. Consider the following phenomenon associated with system development in a computer based bank management system.

The manager of XYZ Bank proposed to introduce a new computer based system to replace the existing manual system. This computer based system expected to improve performance and Quality Management. DPJ software company were assigned to develop this computer based system. Sandamith of the DPJ company identified the requirements properly, Swapna selected the development software, computer language and architecture to develop the system. Anishka developed the system using the computer language suggested by Swapna and Vishmini. Although Oshani test checked the system for bugs. The system was installed in the bank by Dineth who works in the technical department of the company. After 3 months of installing the system, Yenuli made several changes to the computer based system which was request by the employee of the bank.

(i) Write down two methods that Sandamith of DPJ can use in identifying the requirements.

(ii) Who was done the design of the solution?

(iii) Write down the method of system testing that you propose to obtain the approval of the bank's staff for this system.

(iv) What system deployment method you suggest for this computer based banking system? Give reasons.

(v) Who carried out the system maintenance phase here?