General Certificate of Education (Ord. Level) – 2025 (2026) Practice Test



Information and Communication Technology

Past Papers Wiki

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80	S	I, II

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General Certificate of Education (Ord. Level) – 2025 (2026) Practice Test

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Information and Communication Technology	**I, II**

පැය තුනයි
Three Hours

අමතර කියවීම් කාලය - **මිනිත්තු 10 යි**
Additional Reading Time - 10 Minutes

Use additional reading time to go through the question paper, Select the questions and decide on the questions that you give priority in answering.

M-01 Information and communication technology I

Instructions:

* *Answer **all** questions*
* *In each of the questions **1** to **40**, pick one of the alternatives **1), 2), 3), 4)** which is **correct** or **most appropriate***
* *Make a cross **(×)** 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*

---

01. Which of the following statements about utility software is **a mismatch** between the name of the software and the function it describes?

1) *Data Backup:* The basic function of this is to store a copy of the data in another safe location so that it can be recovered
2) *Disk Formatting:* This process erases all the existing data on a hard disk or USB drive and prepares the file system structure for new writing
3) *File Compression:* Reducing file size to save storage space, with or without altering the quality of the data.
4) *Disk Partitioning:* To improve the speed of data storage, fragmented file parts are reassembled and organized into contiguous parts.

02. Which of the following groups of devices contains **only** input devices?

1) Keyboard, Speaker, Scanner
2) Monitor, Projector, Printer
3) Mouse, Microphone, Joystick
4) Touch Screen, Camera, Plotter

03. Which of the following groups of devices correctly represents **all three** types of secondary storage, namely Magnetic Media, Optical Media, and Solid-State Media?

1) Hard Disk Drive (HDD), Flash Drive, Compact Disc (CD)
2) Digital Versatile Disc (DVD), Magnetic Tape, Memory Card
3) Magnetic Tape, Blu-ray Disc, Flash Drive
4) Memory Card, Hard Disk Drive (HDD), Compact Disc (CD)

04. Select the option that correctly represents the device indicated by x below and the network topology of the computer network.

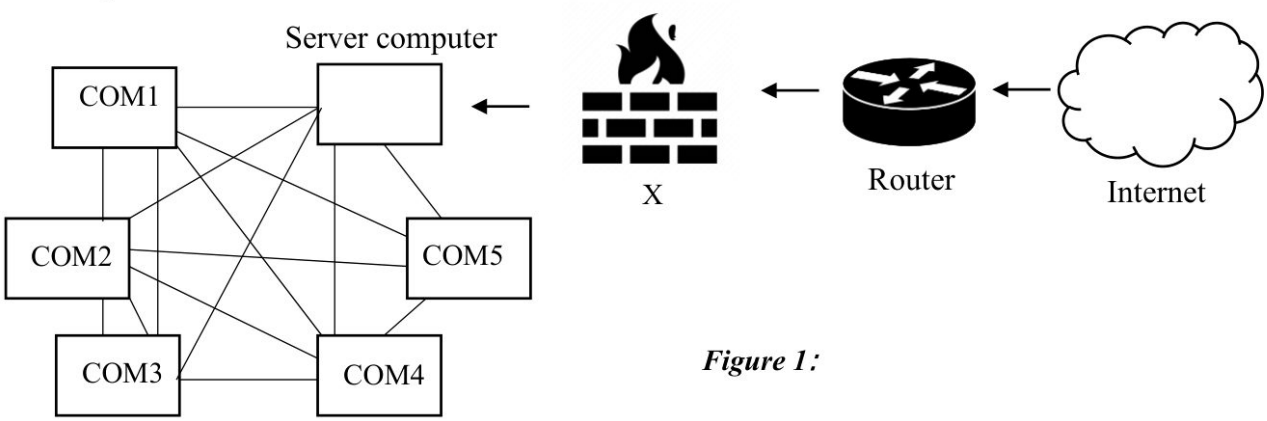


Figure 1:

1) Firewall, star network
2) Switch, mesh network
3) Switch, ring network
4) Firewall, mesh network

05. Which of the following statements **correctly** explains the difference between a switch and a hub?

1) A hub typically operates in Full-Duplex mode, allowing it to send and receive data simultaneously. A switch typically operates in Half-Duplex mode, allowing it to perform only one function (send or receive data packets) at a time.
2) A switch broadcasts data to all connected devices and operates in Full-Duplex mode.
A hub broadcasts data to all connected devices and operates in Half-Duplex mode.
3) A switch forwards data only to the target device and typically operates in Full-Duplex mode
A hub forwards data only to the target device and typically operates in Half-Duplex mode
4) Both the switch and the hub always operate in Simplex mode, allowing data transmission in only one direction.

06. Which of the following is the octal equivalent of binary 111010010_2 ?

1) 744_8 2) 722_8 3) 711_8 4) 752_8

07. Which of the following is the decimal equivalent of binary 11101001_2?

1) 233_{10} 2) 231_{10} 3) 230_{10} 4) 237_{10}

08. The following files need to be copied to a Flash drive.

- Photo Collection (Photos.zip): 1.5 GB
- Main Presentation (Presentation.ppt): 800 MB
- Notes (Notes.txt): 1.2 KB
- Backup Video (Backup.mov): 3.5 GB

Which of the following is the minimum capacity USB Flash drive required to successfully store all these files?

1) 4 GB 2) 6 GB 3) 8 GB 4) 16 GB

09. Consider the following ASCII character set codes (Decimal values):

- **'A' (Capital 'A'):** 65
- **'a' (Lowercase 'a'):** 97
- **'0' (Digit '0'):** 48

Figure 2:

Based on this information, what are the ASCII decimal values for the uppercase English letter 'F' and the lowercase English letter 'c', respectively?

1) 70, 99 2) 69, 98 3) 71, 100 4) 70, 100

10. Consider the following statements.
    A. Android is an operating system designed primarily for mobile phones.
    B. LibreOffice, which is used for document processing, is an example of an operating system.
    C. macOS, Windows, and Ubuntu are examples of operating systems for computers.
    D. Movie Maker is an operating system used for video editing.

    From the above statements, select the answer that shows the correct statement/statements.

    1) Only A and B
    2) Only A and C.
    3) Only B, C and D
    4) All A, B, C and D.

11. Using the 'Aa' menu (Change Case function) shown in the image above, you need to change a selected text as follows:

    A. Original Text:

    The quick brown Fox Jumps over The lazy Dog.

    B. Text to be changed:

    THE QUICK BROWN fOX jUMPS OVER tHE LAZY dOG.

    Which of the options shown in the image should you choose to perform the above conversion?

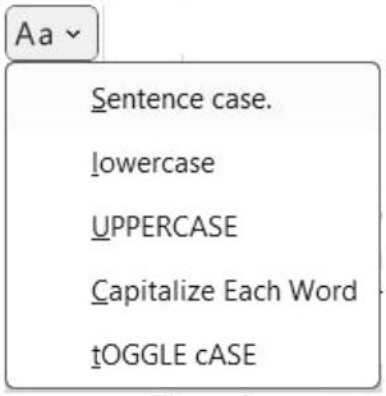


Figure 3:

    1) Sentence case
    2) Capitalize Each Word
    3) UPPERCASE
    4) tOGGLE cASE

12. The shortcut key combinations for pasting copied or cut text into a word processing document and for printing the document are shown below, respectively?

    1) Ctrl+X, Ctrl+S 2) Ctrl+C, Ctrl+F 3) Ctrl+V, Ctrl+P 4) Ctrl+V , Ctrl+C

13. From the following statements, select the ***incorrect*** statement about the main concepts of a spreadsheet.
    1) The Active Cell is the cell currently selected by the user, and any data is entered into that cell.
    2) The Function Box (or Formula Bar) displays a formula in the Active Cell, and the final value obtained from that formula is displayed in the cell.
    3) The Name Box displays the address of the selected Active Cell.
    4) A cell range is a name formed by combining the column name and the row number.

- **Use the following spreadsheet to answer questions 14 and 15.**

	A	B	C	D	E	F	G
1	**Item**	**Unit Price**	**Quantity**	**Total**	**Discounted Total**	**Discount**	**5%**
2	Laptop	85000	3	255000	242250		
3	Mouse	1200	15	18000	17100		
4	Keyboard	3500	8	28000	26600		
5	Monitor	45000	2	90000	85500		

Table 1:

14. What formula should be written to get the total value for cell D2?

    1) =SUM(B2:C2) 2) =B2*C2 3) =B2+C2 4) =B2-(B2*C2)

15. Using **cell references** only, so that it can be copied to the range **F3:F5** to obtain the answers; which of the following is the correct formula to be written in cell **E2** to calculate the Discounted Total

1) =D2*5% 2) =D2*G1 3) =D2-(D2*5%) 4) =D2-(D2*G1)

16. Which of the following statements can be considered correct practices when preparing a quality e-presentation?

a) Presenting the main headings and content in a font size of at least 32 points
b) Including several videos at once to explain the content in the same section
c) Choosing a dark color as the background color and using a light color as the font color.
d) Using a light color as the background color and using a dark color as the font color.

1) Only a and b 2) Only b and c 3) Only a and d 4) Only a, b and d

- Use the tables shown below to answer questions 17 to 19.

MOVIE

Movie_ID	Title	Genre
M001	Oppenheimer	Drama
M002	Godzilla	Action
M003	Interstellar	Sci-Fi
M004	The Creator	Sci-Fi

Table 2:

SCREENING

Screen_ID	Movie_ID	Time	Price
S101	M001	19:30	1200
S102	M003	14:00	1000
S103	M001	22:00	1500
S104	M002	17:00	1200

Table 3:

TICKET

Ticket_ID	Screen_ID	Seat_No	Booking_Date
T001	S101	A12	2025-11-18
T002	S101	A13	2025-11-18
T003	S102	B05	2025-11-18
T004	S104	C01	2025-11-19

Table 4:

17. What is the most appropriate primary key for the SCREENING table?

1) Screen_ID 2) Movie_ID 3) Screen_ID + Movie_ID 4) Time

18. What is a foreign key in this database?

1) TICKET - Ticket_ID
2) SCREENING - Movie_ID
3) SCREENING - Screen_ID
4) TICKET - Seat_No

19. The most suitable data type for the 'Price' field in the SCREENING table is:

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

20. What is the name of the key that is used to uniquely identify each record in a table by combining two or more fields?

1) Foreign Key 2) Composite Primary Key 3) Candidate Key 4) Alternate Key

21. Consider an algorithm for calculating an electricity bill. The process to calculate the total charge payable by a customer is performed under the following conditions:

1. Inputs: Number of units of electricity consumed and user category (domestic/business).
2. (Process):

– If the number of units is less than 50, then Rs. 10 per unit will be charged.
– If the number of units is 50 or more but less than 100, then Rs. 15 per unit will be charged.
– If the number of units is 100 or more, then Rs. 20 per unit will be charged.
– In addition, if the user type is Business, then a 20% Service Tax will be added to the final fee.

Which of the following clauses **correctly** represents this calculation process according to an algorithm?

1) First, check the number of units to calculate the Base Charge; then, check the Category to decide if a 20% Service Tax should be added.
2) Calculate the Service Tax first, and then determine the Base Charge based on the number of units consumed.
3) Calculate the total charge based only on the number of units consumed, regardless of the user Category
4) Input the Category first to determine the Base Charge, and then use the number of units to calculate the final Service Tax

22 Which control structure is used to select and execute one of two pieces of code based on a condition ?

1) An iteration 2) A selection 3) A duplication. 4) A sequence

23. Consider the following logical expression S.

```
S:(X≥50) OR (NOT (Y<10))
```

Figure 4:

If the values of X and Y are 40 and 15 respectively, which of the following is the result of the S statement?

1) True 2) False 3) True and False 4) ප්‍රතිඵලයක් නැත (No results)

24. What is the result of this mathematical expression?

```
(12-4)×3-20 div 4
```

Figure 5:

1) 4 2) 19 3) 14 4) 12

- Question numbers 25, 26 and 27 below are relevant to code sections 1, 2 and 3 respectively.

Code section 1:

```
x:=5;
while x≤20 do
     x:=x+3;
writeln(x;
```

Figure 6:

Code section 2:

```
var
  i:integer;
begin
   for i:= 2 to 10 step 2 do
      if i > 4 then
          write(i);
end.
```

Figure 7:

Code section 3:

```
if (marks≥35) then
     writeln('A')
else if (marks≥25) then
     writeln('B')
else if (marks≥15) then
     writeln('C')
else
     writeln('F');
```

Figure 8:

25 What is the final value that is output by the command `writeln('F');` after executing the pseudocode section shown in Code Section 1?

1) 26 2) 23 3) 20 4) 30

26 What is the output of the pseudocode shown in Code Section 2?

1) 6
8
10 2) 6810 3) 4
6
8 4) 468

27 In code block 3, if the values 40, 20, and 16 are given as inputs for Marks respectively, select the option that correctly represents the possible output.

1) A C C 2) A B F 3) A F F 4) C F F

28 Consider the pseudo-code below.

```
Var
  arrScores : array[0..4] of integer;
begin
  arrScores[0] := 10;
  arrScores[1] := 5;
  arrScores[3] := 2;
  arrScores[4] := arrScores[0] * arrScores[1] - arrScores[3];
end;
```

Figure 9:

What will be the value of the element `arrScores[4]` after executing the above code?

1) 48 2) 13 3) 7 4) 50

29. From the statements given below, select the **correct** statement regarding an assembler, an interpreter, and a compiler.

1) The compiler converts the entire program into machine code at once, while the interpreter executes the code line by line. The assembler converts high-level languages such as C++.
2) The assembler executes the program line by line, while the interpreter creates a single machine code. The compiler converts assembly language code into machine code.
3) The assembler converts assembly language code into machine code. The compiler converts high-level code into machine code, while the interpreter executes it line by line
4) The compiler converts assembly language code, while the assembler executes the high-level code line by line. The interpreter converts the entire program at once

30. Which of the following lists the SDLC phases: System Analysis, System Maintenance, System Identification, and System Development in the correct logical order?

1) System Identification → System Analysis → System Maintenance → System Development
2) System Analysis → System Identification → System Development → System Maintenance
3) System Identification → System Analysis → System Development → System Maintenance
4) System Development → System Identification → System Analysis → System Maintenance

31. Consider the full URL address given below:

```
https://www.company.lk/products/details.php
```

Figure 10:

What do the `www.`, `company.lk` and `details.php` sections of this URL represent respectively?

1) Protocol – Domain Name – Service
2) Domain Name – Path - file
3) Service - Domain Name –File
4) Path – Protocol – file

32. In computer networking, the **main** function of DNS (Domain Name System) is.

1) to translate a web address (URL) into its corresponding MAC address (MAC Address
2) to translate public IP addresses into private IP addresses
3) to translate a domain name into its corresponding IP address (IP Address)
4) to translate http requests into https requests.

33. Select the option that correctly matches the three file format groups shown in the box on the right and the three main file categories shown below.

```
1).docx, .pptx, .xlsx
2).jpg, .png, .bmp
3).mp3, .midi, .wav
```

Figure 11:

1) 1) Audio 2) Images 3) Office PS
2) 1) Images 2) Office PS 3) Audio
3) 1) Office PS 2) Images 3) Audio
4) 1) Office PS 2) Audio 3) Images

34. If **2 bytes** of memory are allocated for a pixel, what is the maximum number of colors that can be represented by that pixel?

(2^2 =4, 2^3=8, 2^{10}=1024, 2^{16}=65536 2^{20} = 1048576)

Figure 12:

1) 4 2) 1024 3) 65,536 4) 1048576

35. From the following four statements, select the statement that best explains a key characteristic of vector graphics and how it differs from raster graphics.

1) Vector graphics are best suited for photographs, which tend to pixelate when enlarged.
2) Raster graphics are represented using mathematical formulas and are usually saved in .SVG or .AI formats
3) Vector graphics are made up of a collection of pixels of different colors, and their file size increases when enlarged
4) Vector graphics are based on mathematical formulas and can be scaled to any size without loss of quality.

36. What is the function of the icon shown below in audio editing software?

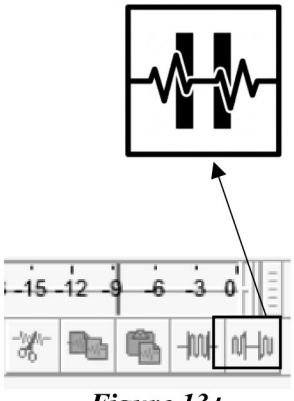


Figure 13:

1) Increase the volume (Amplify)
2) Slow down the speed of the sound (Change Tempo)
3) Insert silence into the selected part (Generate Silence)
4) Remove the selected part (Delete/Cut)

PAST PAPERS WIKI

37. What is the correct way to calculate the size of an uncompressed image file **in Kilobytes (KB)** that is 600 pixels wide, 400 pixels long, and has a color depth of 24 Bits per Pixel?

    1) Multiply the length, width, and number of bits per pixel, divide that value by 8, and divide the resulting value by 1024
    2) Multiply the length and width, divide that value by 24, and divide the resulting value by 1000
    3) Multiply the length, width, and 8, divide that value by 24, and divide the resulting value by 1024.
    4) Divide the total number of pixels by 24, and multiply that value by 8 and 1000.

38. Which of the following four pieces of HTML code correctly specifies the list type and its opening tag?

    1) Unordered List: <li>, Ordered List: <ol>, Nested List: <nl>
    2) Definition List: <dl>, Ordered List: <ul>, Menu List: <ml>
    3) Numbered List: <nl>, Bulleted List: <bl>, Definition List: <dd>
    4) Unordered List : <ul>, Ordered List : <ol>, Definition List: <dl>

39. Consider the following diagram, which names the parts of an HTML tag. Select the option that corresponds to the label X, Y, and Z, respectively.

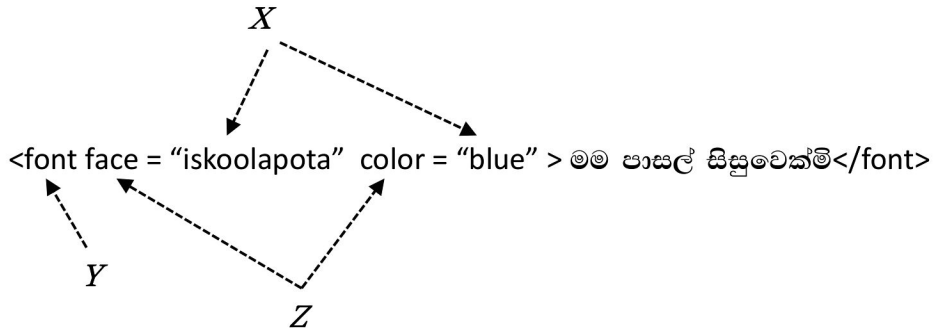


Figure 14:

    1) X: element, → Y: attribute, → Z: value.
    2) X: value, → Y: element, → Z: attribute
    3) X: element → Y: value, → Z: attribute
    4) X: attribute → Y:element, → Z: value

40. What is the **main** environmental and health risk posed by improper disposal of electronic waste (E-Waste)?

    1) Large amounts of carbon dioxide (CO_2) are released into the environment
    2) Reduction in soil fertility due to chemicals contained in used batteries
    3) Addition of toxic heavy metals such as lead, mercury and cadmium to soil and water
    4) Increasing cost of manufacturing new electronic devices.

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General Certificate of Education (Ord. Level) – 2025 (2026) Practice Test

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Information and Communication Technology	**I, II**

පැය තුනයි
Three Hours

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Additional Reading Time - 10 Minutes

M-01 **Information and communication Technology II**

Instructions:

* *Answer **five (5)** questions only, including the first question and four others.*
* *First question carries 20 marks and each of the other questions carries 10 marks.*

---

1. The following, Case 1 and Case 2, are two data collections conducted at two different times.

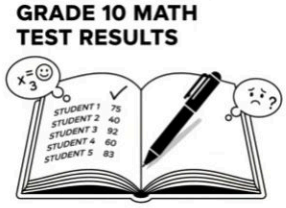
Case 1	Case 2
* The scores obtained by 5 children in the mathematics test held last month are shown below. * Data: 75, 40, 92, 60, 83 (These are the marks obtained by each student.) 	* The data obtained from a poultry farm for a period of one week is shown below.. * Data: 45, 42, 40, 41, 44, 43, 45 (these are the numbers of eggs collected) 

Figure 15:

Based on the data provided, identify **two** distinct pieces of information for each situation. Specifically, list **two** insights for **Situation 1** and **two** for **Situation 2**.

ii) Choose the most suitable port to connect the given equipment and write the label in front of the number

1. A modern computer screen (image and sound must be sent on the same cable)	A. USB
2. Multimedia projector (image only) Sending is enough)	B. HDMI
3. External hard drive (External HDD)	C. VGA
4. Headphone	D. Audio

Table 5:

iii) a) Convert the binary number 1011011000011110_2 to its hexadecimal equivalent.

b) Convert the decimal number 139_{10} to an octal number.

iv) a) Construct a logic circuit for the following Boolean expression using only AND, OR, and NOT gates (xx) + (xy) . (yy) = R

b) Complete the following truth table for the above Boolean expression.

x	y	x.x	y.y	x.y	.....	.....
0	0	.....	.....	.....	.....	.....
0	1	.....	.....	.....	.....	.....
1	0	.....	.....	.....	.....	.....
1	1	.....	.....	.....	.....	.....

Table 6:

v) a) When a user issues a print command through an application , the control over the use of data and resources is given as P → Q → R → utility → S. Select the appropriate terms for P, Q, R and S from the list below and write them in front of the label.

List : { Application/ User / ~~Utility~~ /Hardware/ OS}

b) Select the single-user, single-tasking operating system from the list below

List : { Windows XP/ Linux / DOS / Mac Os / Fedora}

vi)

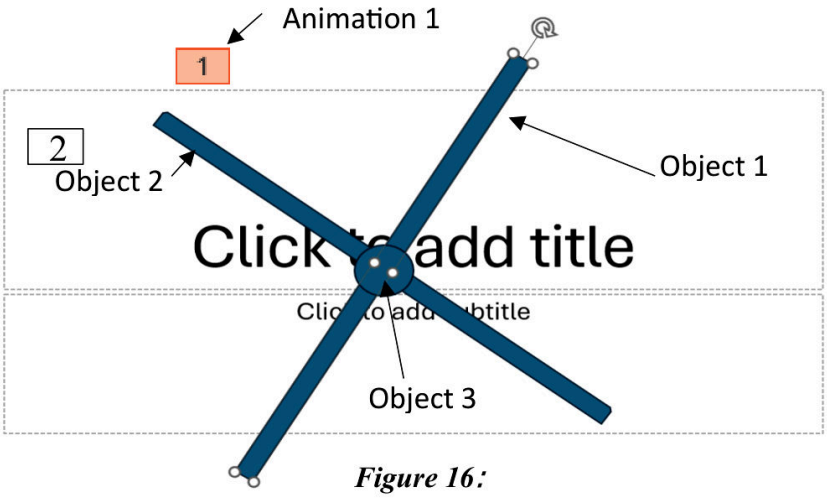


Figure 16:

a) layout used to create the above slide is not appropriate. What slide layout should have been used instead?

b) Which of the following objects—Object 1, Object 2, or Object 3—contains an animation sequence currently listed under Animation 1?

vii) Draw a suitable flowchart to represent the following pseudocode.

```
BEGIN
      StoredPassword = Ab$4
      INPUT UserPassword
      IF UserPassword = StoredPassword THEN
            OUTPUT "Access Granted!"
      ELSE
            OUTPUT "Access Denied!"
      END IF
  END
```

Figure 17:

viii) a) A ..... is a collection of components that interact to achieve a specific task. Write a suitable word for the blank.

ix) a) If any of the following IP addresses (IPv4) are invalid, write **invalid** in front of the corresponding label and write **valid** in front of the valid IP address label.

A. `192.168.1.100`
B. `10.5.300.25`
C. `172.16.2.3.4`
D. `256.0.0.1`

b) When sending an email message to multiple recipients at once, select from the list below which addressing field is used to hide the message from the main recipients.

List : {TO, CC, BCC, SUBJECT, ATTACHMENT}

x) a) What is data backup?

b) Which of the following two types of malwares is capable of spreading and executing independently without a host program?

1. Computer viruses 2. Computer worms

2. Shown here is the monthly sales and expense report for "Sweet Treats", a small bakery.

	A	B	C	D	E
1	**Item**	**Sales Price per unit**	**Units Sold**	**Total Sales**	**Cost Per Unit**
2	Bread	150	450	67,500.00	80
3	Cake	800	120	96,000.00	350
4	Cookies	50	600	30,000.00	20
5	Total		**Total Income**	**193,500.00**	
6					
7	Monthly Expenses	Amount			
8	Rent	25,000.00			
9	Utilities	5,500.00			
10	**Total Expenses**	**30,500.00**		**Net Profit**	
11					
12	Tax Rate	4.50%			
13	**Item**	**Total Sales**	**Tax Amount**		
14	Bread	67,500.00			
15	Cake	96,000.00			
16	Cookies	30,000.00			
17					

Table 7:

i. a) Write the formula to get the total sales to cell D2.

b) Write the formula required to get the total income to cell D5.

ii. Write the formula (**without using functions)** required to get the total cost to cell B10

iii. Assuming that net profit is the value obtained when total income is subtracted from total revenue, write the formula required to obtain net profit in cell E10.

iv. If a tax of 4.50% is charged on the total sales of each item, write the formula to calculate the tax amount in cell C15. (Use cell references only. You should be able to copy this formula down the column to C16 and get the answers there as well.)

v. Select and write those related to currency formatting from the list below.

List: 1 - Date, 2 - Decimal Places, 3 - Number, 4 - Percentage, 5 - Thousands separator, 6 – Time

vi. Which of the following is the most appropriate chart, column or pie, for each of the following data sets?

a) Compare the total sales of different items (bread, cake, cookies).

b) Indicate what percentage of total expenses rent and utilities are.

vii. What is the final value if the formula =500+400∗2−100/5 is entered in cell C17? (Note the precedence of arithmetic operations.)

3. Below are three tables used to manage the book lending process.

BOOK			
B_id	B_title	B_author	B_category
B001	Gamperaliya	Martin Wickramasinghe	Novel
B002	Heena Hathak Meda	Karunasena Jayalath	Novel
B003	Amaradasa	Simon Nawagattegama	Short Stories
B004	Makara	Tennyson Perera	Science Fiction
B005	Maya Darshana	Gunadasa Amarasekara	Poetry

Table 8:

MEMBER		
M_id	M_name	M_contact
M101	Saman	771234567
M102	Nadeeka	719876543
M103	Nishantha	765432109
M104	Chamila	777777777

Table 9:

ISSUE			
I_id	B_id	M_id	Issue_date
I001	B002	M101	2025/11/01
I002	B005	M103	2025/11/03
I003	B002	M104	2025/11/05
I004	B001	M102	2025/11/07
I005	B003	M101	2025/11/08

Table 10:

i. Ajith (M_id: M105, M_contact: 0701112223), a new member, visits the library on 2025/12/02 and requests to borrow the book Viragaya (B_id: B006, B_author: Martin Wickramasinghe, B_category: Novels), which was newly received by the library. Use I006 as the borrowing number (I_id)

a. What tables in the database need to be updated to report this event?
b. Write the new data (Records) to be entered for the tables to be updated according to the following format.

Name of the Table ⟶(Field 1 content, Field 2 content….)
Eg. MEMBER ⟶ (M1001, Saman ……)

ii. If you want to find out which member (M_name) has currently borrowed the book 'Amaradasa' (B_title), what tables must be joined to obtain this information?

iii. The library administrator needs to add the following new information to the database.

1. New Field: Book_Published_Year
2. New Field: Due_Return_Date

Which table is best suited to include each of the new fields above?

iv. It is necessary to add the information (name, address and phone number of the publisher) of the publishers who supply books to the library to the database. Since several existing authors print books under the same publisher, there is a risk of data duplication if the publisher's details are entered for each book in the BOOK table. Therefore, if it is decided to enter the relevant information in another new table,

a) Write the field names of the new table that needs to be inserted.
b) What changes need to be made to the existing BOOK table to create relationships with the new table?

4. i. Use this pseudocode to answer questions a and b below.

```
N := 10;
WHILE (N MOD 3 <> 0) DO   // If the remainder when N is divided by 3 is not equal to 0
BEGIN
  N := N - 5;
  OUTPUT N;
END;
```

Figure 18:

a) What is the correct output of the above Pseudo Code?
b) If the following two changes are made to the initial variable and the loop condition in the above code, what will be the new output?
Changes:
- Changing the initial value of N to 13 instead of 10.
- Changing the condition from (N (mod3) ≠ 0) to (N (mod2) = 0) (if N is an even number).

ii. The flowchart shown in the figure is designed to find and output all the factors of a positive integer (n) input by the user. Here, each number from 1 to n is checked to see if it is a factor of (i) n. Write the most appropriate replacements for the labels A, B, C and D in it.

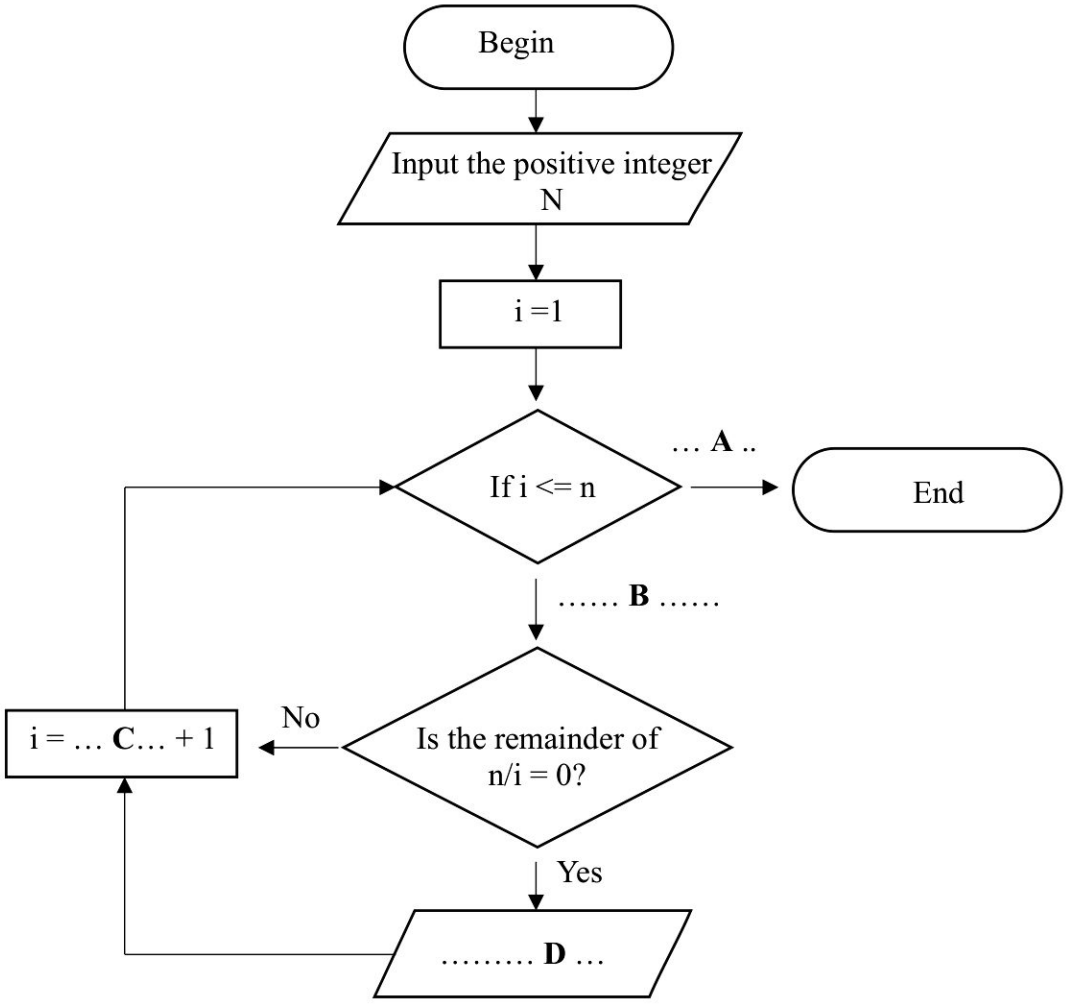


Figure 19:

iii The table below shows how the above flowchart will operate if n=12 is assigned. Accordingly, if 12 is assigned, the output displayed in the following table under print i column is incomplete. Write the appropriate values in the blanks.

Step	Value of i	i ≤ 12	Remainder of 12/i = 0	Print i
Start	1	Yes	12/1 Remainder 0 (Yes)	1
Next Cycle	2	Yes	12/2 Remainder 0 (Yes)	.....
Next Cycle	3	Yes	12/3 Remainder 0 (Yes)	3
Next Cycle	4	Yes	12/4 Remainder 0 (Yes)	.....
Next Cycle	5	Yes	12/5 Remainder 2 (No)	-
Next Cycle	6	Yes	12/6 Remainder 0 (Yes)	.....
Next Cycle	7-11	Yes	Remainder is not 0 (No)	-
Next Cycle	12	Yes	12/12 Remainder 0 (Yes)	.....
End	13	No	-	-

Table 11:

5. i) Match the descriptions labeled A to J with the correct terms from the given list, then write the term corresponding to each label using the format label → term.

Label	Description...
A	A top level domain.
B	A name for a business entity that provides Internet and email services.
C	This is used to uniquely identify any device connected to the Internet.
D	A protocol that operates on the Internet.
E	The process of forwarding information from client computers to server computers is called,
F	These are used to access and search websites to research a particular topic when the website address is unknown.
G	The "exams" part of the email address exams@doenets.lk is called,
H	Trashed messages are retained in email software for a certain period of time,
I	The short name for the cloud computing service "Infrastructure as a Service" is called,
J	A web browser.

List : {.in, Microsoft edge, upload, ISP, IaaS, search engine, ICMP, IP address, user name, deleted}

ii) Draw the table displayed in the HTML code snippet below.

```
<table border="1">
  <tr>
    <th> Time </th> <th> Monday </th> <th> Tuesday </th> </tr>
    <tr><td> 08:00 </td><td colspan="2"> Mathematics </td></tr>
     <tr> <td> 09:00 </td> <td> ICT </td>  <td> Science </td> </tr>
  </table>
```

Figure 20:

iii. The HTML source code section of the web page shown in Figure 1 is shown in Figure 2 with some spaces labeled 1 to 10.

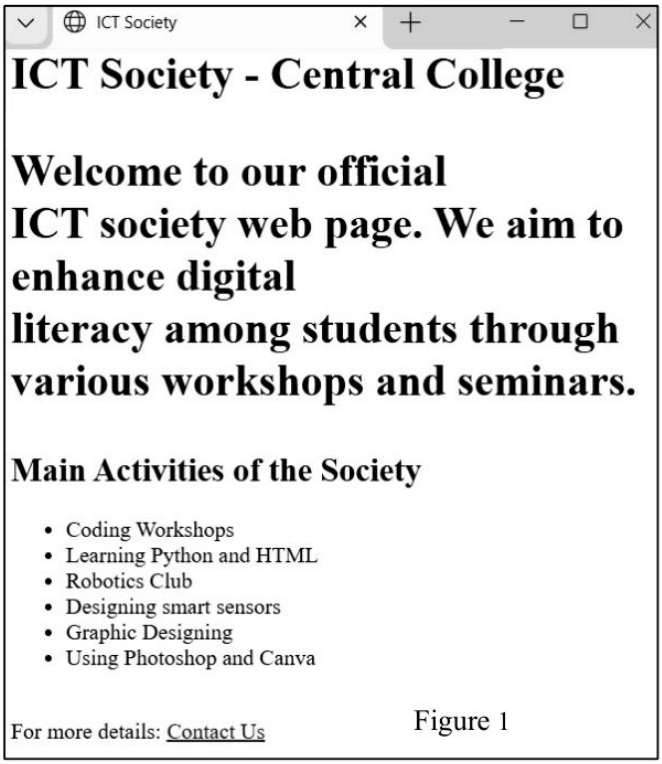


Figure 1

```
<html>
 <…❶…..> <…❷…> ICT Society</title> <…❸….>
<…❹…>
<h1> ICT Society - Central College <h1>
<p> Welcome to our official <…❺…> ICT society
web page. We aim to <…❺…> enhance digital
<…❺…>
literacy among students through <…❺…> various
workshops and seminars. </p>
<h2>Main Activities of the Society</h2>
<…❻…>
   <li> Coding Workshops </li>
      <li> Learning Python and HTML</li>
   <li>Robotics Club  <li> Designing smart sensors
</li>  <li> Graphic Designing </li>

      <li>  Using Photoshop and Canva</li>
<…❼…>
<…❺…>
For more details: < …❽… href
="mailto:ict@school.lk"> Contact Us <…❾…>
<…❿…>  </html>
```

Figure 2

Figure 21:

Choose the correct tags for labels 1 to 10 in Figure 2 from the list given below, and write down the number of each label and the corresponding tag..

ලැයිස්තුව : <ul>, <a>, ,
 , <head>, </head>, <body> ,</body> ,<title>, </title> ,

06 i) ABC Bank has decided to introduce a new ATM system with more modern facilities for its customers. Answer the following questions regarding the various stages of this project.

a) Name **two methods** of gathering information that analysts use to identify customer needs and current problems in the bank before designing this new ATM system.

b) After the ATM system software is developed, which testing method involves testing each component (e.g., cash withdrawal, balance check) separately?

c) If the bank were to completely shut down the existing ATM system and start the new system on the same day, what would be the implementation method?

d) If the system were to be installed in only one branch of the bank, rather than being implemented all at once, what would be the implementation method?

e) A few months after the new ATM system is implemented, during which phase of the system development life cycle would its security layers be updated?

ii) Samuditha is preparing a project report for the subject of Information Technology on the topic "Modern World and Technology". Answer the following questions based on the various situations he encounters during this process.

a) What is the unethical act called if Samuditha uses an article from the Internet for his report and presents it as his own creation without mentioning the original author?

b) What is the intellectual property license that Samuditha can obtain from the government for a certain period of time to prevent someone else from stealing one of his new inventions?

c) Write the name of the technological gap that exists because students in Samuditha's city have high-speed internet access, but his friend in a remote village does not.

d) Name **two** possible health conditions that Samuditha may develop due to using the computer in an incorrect position for a long time.

07 i) a) The selection tool on the right is best suited for selecting the images shown below on the left, and the number is written in such a way that the label appears before it.

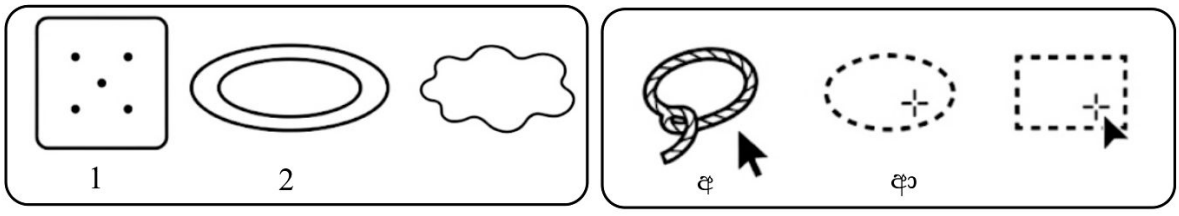


Figure 22:

b) What is the most commonly used **color model** in the printing industry, RGB or CMYK?

ii) Below is an image of a numbered interface in a word processing software.

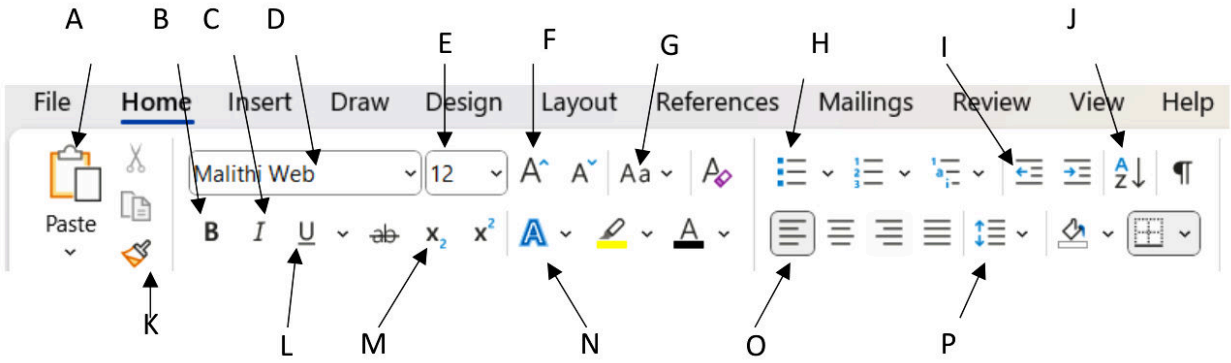


Figure 23:

Using the letters (A-P) in the interface above, write the appropriate icon label for each function given below.

1. Place a Copied/Cut data to the desired location.
2. Add special unordered mark to the beginning of lines when displaying a list of facts.
3. Add letters or numbers below the normal letter level (e.g. H_2O).
4. Show selected letters or words in bold.
5. Show selected letters in italics.
6. Draw a line under selected letters or words.
7. Align the letters in the document to the left.
8. Add different colors and attractive designs to the letters.
9. Change the face (Style) of the letters.
10. Increase the size (Size) of the selected letters step by step.
11. Easily change the English letters to Capital or Small or other cases.
12. Arrange the selected data in alphabetical order.

iii) While Tarul was composing an article in English, a red wavy line appeared under some words.

a) What could be the reason for this mark appearing in Tarul's document?
b) Name the word processing software tool he should use to correct this.

*****

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