

ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව ශ්‍රී ලංකා විභාග දෙපාර්තමේන්තුව
இலங்கைப் பரீட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம் இலங்கைப் பரීட்சைத் திணைக்களம்
Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka Department of Examinations, Sri Lanka

80 E I, II

අධ්‍යයන පොදු සහතික පත්‍ර (සාමාන්‍ය පෙළ) විභාගය, 2025(2026)
கல்விப் பொதுத் தராதரப் பத்திர (சாதாரண தர)ப் பரீட்சை, 2025(2026)
General Certificate of Education (Ord. Level) Examination, 2025(2026)

තොරතුරු හා සන්නිවේදන තාක්ෂණය **I, II**
தகவல், தொடர்பாடல் தொழில்நுட்பவியல் **I, II**
Information & Communication Technology I, II

පැය තුනයි
மூன்று மணித்தியாலம்
Three hours

අමතර කියවීමේ කාලය - මිනිත්තු 10 යි
மேலதிக வாசிப்பு நேரம் - 10 நிமிடங்கள்
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.

Information & 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.
- * 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.

ප්‍රශ්න 1 සිට 40 දක්වා,
සුදුසුම පිළිතුර තෝරා ගන්න.

1. Which of the following is generally an advantage of a desktop computer over a laptop?
(1) Built-in battery (2) Easy portability
(3) Larger display screen (4) Lightweight design
2. In which of the following are the instructions of the operating system of a computer executed?
(1) caches (2) main memory (3) processor (4) registers
3. What is the most suitable replacement for the blank in the following statement?
"Even when my computer is off, its operating system, application software and all my data exist in its _____."
(1) caches (2) hard disk (3) main memory (4) processor
4. Which of the following uses 'half duplex' mode data transmission?
(1) radio broadcasts (2) telephone communications
(3) television broadcasts (4) walkie-talkie communications
5. In which of the following network topologies does every computer connect to a central device such as a switch?
(1) Bus (2) Ring (3) Star (4) Mesh
6. Which of the following is the hexadecimal equivalent of binary 1110 1110₂?
(1) 1F₁₆ (2) EE₁₆ (3) F0₁₆ (4) FF₁₆
7. A USB flash drive has 256 MB of free space. A video file of 0.3 GB, an image file of 300 KB, and a document file of 400 bytes need to be copied to this drive. Which of the following statements is correct?
(1) Only the document file can be copied.
(2) Only the image file and the document file can be copied.
(3) Only the video file can be copied.
(4) All the indicated files can be copied.

8. In the ASCII code, the character A is represented by 65_{10} . In that code, which character is represented by $0100\ 0011_2$?
 (1) A (2) B (3) C (4) D
9. Which of the following is **not** a task of an *operating system*?
 (1) Giving each user process the chance to run on the processor
 (2) Managing the memory of the computer
 (3) Managing the user files in a computer
 (4) Right-justifying the text of a word processor's document
10. Which of the following statements are true regarding word processor software?
 A - They allow users to save the opened documents with passwords.
 B - They allow users to save the opened documents in pdf format.
 C - One can use the 'Save As...' option in the 'File' menu to save a document with a different name.
 (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C
11. Which of the following word processor software icons can be used to *center align* a piece of text?
- | | | | |
|---|---|---|---|
| (1)  | (2)  | (3)  | (4)  |
|---|---|---|---|
12. Which of the following word processor software icons can be used to help obtain X²?
- | | | | |
|---|---|---|---|
| (1)  | (2)  | (3)  | (4)  |
|---|---|---|---|
13. Which of the following word processor software icons can be used to strike-through a piece of text?
- | | | | |
|---|---|---|---|
| (1)  | (2)  | (3)  | (4)  |
|---|---|---|---|
14. Which of the following statements are true regarding word processor software?
 P - One can easily send the same letter to multiple recipients using their 'mail merge' features.
 Q - A document in the .docx format cannot be edited using LibreOffice Writer.
 R - When a wide table does not fit in the 'portrait' orientation, one should test the 'landscape' orientation available in the software.
 (1) P and Q only (2) P and R only (3) Q and R only (4) All P, Q and R
15. Which of the following only contains examples of spreadsheet software?
 (1) Google Docs, LibreOffice Writer, Microsoft Excel
 (2) Google Sheets, Microsoft Excel, OpenOffice Calc
 (3) LibreOffice Calc, Microsoft Excel, OpenOffice Writer
 (4) Microsoft PowerPoint, Google Sheets, LibreOffice Calc
16. On a worksheet, how many cells are included in the range B2:D4?
 (1) 6 (2) 8 (3) 9 (4) 12
17. Which of the following spreadsheet software formulae correctly calculates the average of B1:B4 and D1:D4?
 (1) =AVERAGE(B1:D4)
 (2) =AVERAGE(B1:B4, D1:D4)
 (3) =AVERAGE(B1:B4:D1:D4)
 (4) =AVERAGE(B1:B4 + D1:D4)

18. Which of the following only contains examples of presentation software?

- (1) Apple Keynote, LibreOffice Impress, Microsoft PowerPoint
- (2) Audacity, Google Slides, Microsoft PowerPoint
- (3) Audacity, LibreOffice Calc, LibreOffice Impress
- (4) Google Sheets, LibreOffice Calc, Ubuntu

- Questions 19 to 21 are based on the following partly shown database tables that are used to store data about school subjects, teachers and their subject allocations.

Note: A subject can be taught by many teachers and a teacher can teach many subjects. The *Hours_per_week* field stores the weekly teaching hours allocated to a particular teacher to teach the relevant subject.

SUBJECT

Subject_ID	Subject_name
SU01	Mathematics
SU02	Science
SU03	English
SU04	ICT

TEACHER

Teacher_ID	Teacher_name
T001	Ms. Perera
T002	Mr. Silva
T003	Ms. Fernando
T004	Mr. Khan

SUBJECT_TEACHER

Subject_ID	Teacher_ID	Hours_per_week
SU01	T002	5
SU02	T001	4
SU04	T003	3
SU02	T004	4

19. What is most suitable for the primary key for the **SUBJECT_TEACHER** table?

- (1) Subject_ID
- (2) Teacher_ID
- (3) Subject_ID + Hours_per_week
- (4) Subject_ID + Teacher_ID

20. What is a foreign key in this database?

- (1) Hours_per_week in the SUBJECT_TEACHER table
- (2) Teacher_ID in the SUBJECT_TEACHER table
- (3) Teacher_name in the TEACHER table
- (4) Subject_name in the SUBJECT table

21. A new teacher (Mr. Sivarajah, T005) joins the school and starts teaching Science (SU02). Which tables are to be updated for this purpose?

- (1) TEACHER only
- (2) SUBJECT_TEACHER only
- (3) SUBJECT and SUBJECT_TEACHER only
- (4) TEACHER and SUBJECT_TEACHER only

22. Which of the following statements are correct regarding databases?

- A - Compared to manual databases, electronic databases are more efficient in retrieving information.
- B - Updating data is easier in a manual database than in an electronic database.
- C - Electronic databases can be protected through passwords and data encryption.

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

23. Which of the following statements is correct regarding databases?
- (1) A record in a table that has a composite primary key can be uniquely identified by just one field of its composite primary key.
 - (2) There could be a maximum of only one foreign key in a table.
 - (3) The primary key field of a record can be kept blank.
 - (4) When a table in a database is being created using a software, one should indicate the data type of each of its fields.

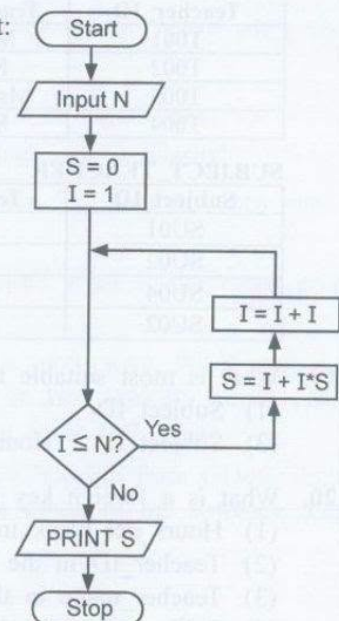
24. A program is required to compute the shortest route between cities P and Q. A route is made up of small road segments that could be collectively used to go from P to Q. The program will require a collection of road segments to be given as its input. Which of the following contains the data that has to be input for each *road segment*?

Note: *traffic indicator* is a number indicating the traffic congestion on a particular segment and *length* contains the length of that road segment.

- (1) Ending city, length, traffic indicator
- (2) Starting city, length, traffic indicator
- (3) Starting city, ending city, length
- (4) Starting city, ending city, traffic indicator

- Questions 25, 26, 27 and 28 are based on the following flow-chart:

25. What will be the output if the input N is 4?
- (1) 0
 - (2) 15
 - (3) 64
 - (4) 325
26. What will be the output if the input N is 1?
- (1) 0
 - (2) 1
 - (3) 2
 - (4) 3
27. When the condition ' $I \leq N$ ' is changed to ' $I < N$ ' and the input N is given as 5, what will be the output?
- (1) 0
 - (2) 15
 - (3) 64
 - (4) 325
28. Which of the following Pascal constructs is most suited to implement the control structure shown in the flow-chart?
- (1) case
 - (2) if-then-endif
 - (3) if-then-else-endif
 - (4) while-do



- Questions 29, 30, 31, 32 and 33 are based on the following labelled fragment taken from a Pascal code to print the average of the values in the 'numbers' array.

```

sum := A;
B  i := 1 to SIZE do
begin
    sum := sum + numbers[C];
end;

D := E / F ;
writeln('The average is: ', average:5:2);
  
```

29. What is SIZE in the above code?
- (1) A constant
 - (2) A Pascal reserved word
 - (3) A variable name initialized to 0
 - (4) An array

30. What should be the replacement for A?
 (1) 0 (2) 1 (3) SIZE (4) numbers
31. What should be the replacement for B?
 (1) case (2) for (3) repeat (4) while
32. What should be the replacement for C?
 (1) 0 (2) i (3) sum (4) SIZE
33. What should be the replacements for D, E and F respectively?
 (1) average, sum, SIZE (2) SIZE, average, sum
 (3) sum, average, SIZE (4) sum, SIZE, average
34. When developing an information system, what is the main advantage of using the *iterative incremental model* instead of the *waterfall model*?
 (1) skipping of some stages to save time
 (2) allowing improvements after each small cycle
 (3) completing all work in only one stage
 (4) not requiring any testing
35. Which of the following best describes *acceptance testing*?
 (1) It is done by programmers to check whether the requirements of the users are acceptable.
 (2) It is done by programmers to check for coding errors.
 (3) It is done by users to check if the system meets their requirements.
 (4) It is done by users after deployment to add new features.
36. Which of the following is a correct example for an Internet Protocol (IP) address?
 (1) 172.215.8.4.2 (2) 172.256.128.11 (3) 192.247.8 (4) 192.246.11.254
- To answer questions 37 and 38, consider a raster image of resolution 1920×1080 using 8 bits for a pixel.
37. If this image is not compressed, then its approximate size in bytes is
 (1) 1920×1080 . (2) $1920 \times 1080 \times 8$.
 (3) $(1920 \times 1080 \times 2) / 8$. (4) $(1920 \times 1080 \times 3) / 8$.
38. What is the maximum number of colours that the above image can contain?
 (1) 3 (2) 8 (3) 2^8 (4) $2^8 \times 1920 \times 1080$
39. Which of the following only contains examples of graphics file formats?
 (1) avi, docx, pdf (2) bmp, jpg, png (3) docx, mp3, pdf (4) mp4, png, ppt
40. Which of the following statements are correct?
 A - The tag is used to insert an image to a web page.
 B - The src attribute of indicates the image file.
 C - An tag must have a closing tag.
 (1) A and B only (2) A and C only (3) B and C only (4) All A, B and C

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අධ්‍යයන පොදු සහතික පත්‍ර (සාමාන්‍ය පෙළ) විභාගය, 2025(2026)
கல்விப் பொதுத் தராதரப் பத்திர (சாதாரண தர)ப் பரீட்சை, 2025(2026)
General Certificate of Education (Ord. Level) Examination, 2025(2026)

තොරතුරු හා සන්නිවේදන තාක්ෂණය I, II
 தகவல், தொடர்பாடல் தொழில்நுட்பவியல் I, II
Information & Communication Technology I, II

Information & Communication Technology II

- * Answer **five (05)** questions only, including the **first** question and **four** others.
 * First question carries **20** marks and each of the other questions carries **10** marks.

1. (i) An airline passenger is allowed to carry only one bag whose weight should not exceed 20 kg. Assume that Rajah who is a passenger travelling in that airline has lots of items with different weights that he would like to take in his bag. The items vary in their importance for Rajah for the trip. Rajah wants to write a program to decide the items to carry in his bag. Write down **two** inputs for this program.
- (ii) The side of a laptop that a student is to use for a presentation is shown in Figure 1.

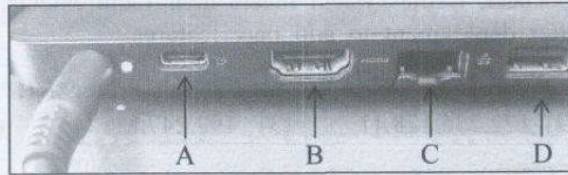


Figure 1

- (a) Write down the label of the port to which the HDMI cable of the projector should be connected.
- (b) Write down the label of the port to which the USB flash drive that contains the student's presentation should be connected.
- (c) According to the figure, which cable is already connected to the laptop?
- (d) Write down the label of the port to which the RJ45 cable should be connected.
- (iii) (a) Write down the binary equivalent of 67_{10} .
- (b) Write down the octal equivalent of $110\ 010\ 111\ 101_2$.
- (iv) (a) Draw the logic circuit relating to the boolean expression $P = A.B + C.D$ using only **AND** and **OR** gates.
- (b) According to the logic circuit shown in Figure 2, what will be the respective outputs at P and Q when A, B and C inputs are respectively 1, 0 and 0?

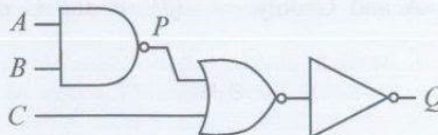


Figure 2

- (v) (a) A person has many files related to various subjects and he stores **all of them** in the 'Documents' folder of his computer. Isn't there a better method? Explain.
- (b) What is meant by 'Disk de-fragmentation'?

- (vi) (a) Name the formatting used in each of the parts labelled from A to D in the following word-processed document extract. (Note: Use only the **label → formatting name** format for your answer.)

A **Sri Lanka** officially known as the *Democratic Socialist Republic of Sri Lanka*, is an island nation located in the Indian Ocean. **B**

C It is known for its **rich history, diverse culture and natural beauty**. The country is famous for its **ancient cities, tea plantations, beaches and wildlife sanctuaries**.

Some facts:

Category	Details
Capital city	Sri Jayewardenepura Kotte
Official languages	Sinhala and Tamil
Popular landmarks	• Sigiriya Rock Fortress • Temple of the Tooth Relic • Adam's Peak

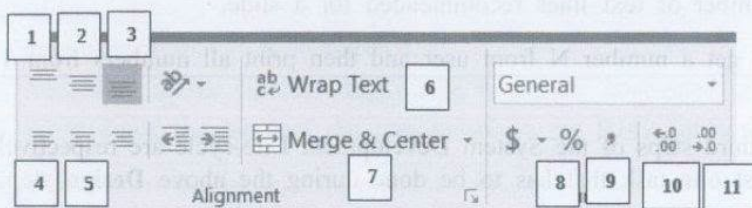
D

- (b) For what can the  icon available in a word processing application tool bar be used for?
- (vii) (a) Presentation software provide several slide layout options. Suppose you are preparing a presentation and need to create a slide that includes a table of statistical data. From the following slide layouts – ‘Title only’, ‘Title and content’ and ‘Title and two content’,– which layout would you select for this slide?
- (b) There are many guidelines to make good slides. Write down one such guideline regarding the maximum number of text lines recommended for a slide.
- (viii) Draw a flow-chart to get a number N from user and then print all numbers from 1 to N that are divisible by 3.
- (ix) (a) The second and third steps of the System Development Life-cycle are respectively ‘Design’ and ‘Coding’. List **one** task that has to be done during the above **Design** step.
- (b) Will it be beneficial to communicate with the users during the **Design** step? Explain.
- (x) (a) Write down the *domain name* of the following URL:
<http://www.ugc.lk/admissions/2026/handbook.html>
- (b) Write down the *file name* of the URL given in (a) above.
- (c) What is the use of the  icon that is available in an email software?
- (d) What is the difference between ‘Reply’ and ‘Reply all’ options that is available in an email software?

2. The following spreadsheet is used to calculate the monthly electricity bill for different households in a particular area.

	A	B	C	D	E	F
1	MONTHLY ELECTRICITY BILL CALCULATOR					
2						
3	Cost per Unit (Rs.): 20					
4	S.N	HouseHold No	Units Used (kWh)	Percentage of Units	Total Bill (Rs.)	
5	1	0003990	80	16%	1,600.00	
6	2	0003991	120	24%	2,400.00	
7	3	0003992	30	6%	600.00	
8	4	0003993	200	41%	4,000.00	
9	5	0003994	0	0%	0.00	
10	6	0003995	60	12%	1,200.00	
11						
12		Total Consumption (Units)			490	
13		Average Electricity Consumption			81.67	
14						
15		=C5*2+D\$5+\$F5				
16						
17						
18						

- (i) Given that the *Total Bill (Rs.)* = *Units Used (kWh)* × *Cost per Unit (Rs.)*, write the formula that should be entered in cell E5 to calculate the total bill for Household No. 0003990, ensuring that it can be copied to the remaining cells E6–E10 to calculate the bills for those households too.
- (ii) Write down the formula that should be written for each of the following:
- (a) for cell E12 to display the total electricity consumption (in Units) using a function
- (b) for cell E13 to display the average electricity consumption (in Units) using a function
- (iii) Labels 1-11 in the figure below are some formatting options available in a spreadsheet software:



Write down the **labels** of the formatting options that would have been used to format the following cells in the above spreadsheet.

- (a) A1 (b) C4 (c) D5 (d) E5
- (iv) It is required to display the electricity units used by each household (Units Used) in a bar chart. Write down the data range that has to be used for this chart.
- (v) Assume the formula =C5*2+D\$5+\$F5 is mistakenly entered in cell B15. How will that formula change when it is copied to cell C15 and to cell B16?
- (vi) What values will be displayed in cells C15 and C16 when the formula =C6 / (C7+C9) / C5 * C8 - C10^C9 is entered in cell C15 and the formula =COUNT(C5:C10, E5:E10) is entered in cell C16 respectively?

3. Following are the partially shown database tables of a school used to store data about students, sports events and event registrations.

STUDENT			EVENT			REGISTRATION		
S_id	S_name	Class	E_id	E_name	Category	S_id	E_id	Reg_date
S001	Amal	11A	E01	100m	Track	S001	E01	05/02/2026
S002	Fathima	11B	E02	Long jump	Field	S003	E02	05/02/2026
S003	Nipun	11A	E03	200M	Track	S004	E01	06/02/2026
S004	Senuri	11C	E04	Shot put	Field	S001	E03	07/02/2026

- (i) A new student Kavindu (S_id: S006, Class: 11A) registers for Long jump (E_id: E02) on 10/02/2026. Write down the new records to be added to the relevant tables for that purpose.

Note: Use only the table name (field1 content, field2 content, ...) format for each new record. e.g., STUDENT(S001, Amal, 11A)

- (ii) It is required to show the names of students (S_name) who registered for the '100m' event. Which tables need to be joined for this purpose?
- (iii) Each event has a specific event type (*Individual or Team*). If that type field is needed to be added, to which one of the above tables should it be added?
- (iv) It is decided to appoint one coach for each event, and the name (C_name) and phone number (C_phone) of each coach must be stored avoiding data duplication. (Note that the same coach can coach for multiple events.)
For this purpose:
(a) Write down the table name and the field names of the new table that has to be added.
(b) Write down any changes that have to be done to the existing tables.
- (v) Can the (S004, E01, 08/02/2026) record be added to the REGISTRATION table?
Justify your answer.

4. (i) Consider the following pseudo-code to answer (a) and (b).

```

BEGIN
  Counter = 1
  Total = 0

  REPEAT
    Total = Total + Counter
    DISPLAY Total
    Counter = Counter + 1
  UNTIL Total >= 6
END.
```

- (a) Write the expected output of the pseudo-code.
- (b) Which code line within the REPEAT-UNTIL loop is essential to ensure that the code terminates?
- (c) What would be the output if the statement
'UNTIL Total >= 6' is replaced with 'UNTIL Total >= 10'
and the statement
'Counter = Counter + 1' is replaced with 'Counter = Counter + 2' ?

- (ii) Nirman wants to write a program that outputs the least number of Rs 500 and Rs 100 currency notes that will be required to make a given amount of money. The program should work as follows:

When the user inputs the amount of money that he/she needs, the program should check whether that amount is a multiple of 100. If yes, the program should output how that amount of money could be made using the least number of Rs 500 and Rs 100 notes and stop. Else, the program should print 'Enter a multiple of 100' and stop.

Three sample inputs and their expected outputs are given in the table.

Input number	Expected output
650	Enter a multiple of 100.
800	500: 1 100: 3
400	500: 0 100: 4

- (a) Draw the flow-chart for this program without using the 'repetition' control structure.
 (b) Write down the pseudo-code for this program without using the 'repetition' control structure.
5. (i) The homepage of a website should provide a concise overview of the entire site's content. Describe a technique that could be used for it.
 (ii) Define the 'resolution' of an image in terms of pixels.
 (iii) What is the connection between the resolution of a raster image and its clarity?
 (iv) Compared to raster images, why are vector images recommended for pictures which may have to be enlarged?
 (v) Who makes the 'keyframes' while using an animation software? What is the name given to frames between two keyframes?
 (vi) Sometimes for a particular song, another person would create a reply song. When such a song and a reply song are imported to Audacity, they will appear on two separate tracks. Describe one new creation that one could make through Audacity using these two songs.
 (vii) Rani wants to make a video using the photos of a family trip. Choosing from GIMP, Vectorian Giotto, Audacity and Windows Movie Maker, write down **the name** of the software that she should use for it.
6. (i) Match each description labelled **A** to **F** to a correct item from the numbered list and write down the number of the matching item for each label using only the **label → number** format.

Label	Description
A	A service that converts a domain name into a numerical address
B	A tool used to find websites by entering keywords
C	Clickable text that opens another page
D	The computer that stores and provides web pages
E	The numerical address assigned to a website
F	The protocol used to transfer web pages

List : {1 – DNS, 2 – HTTP, 3 – hyperlink, 4 – IP address, 5 – Lasso tool, 6 – Memory address, 7 – SaaS, 8 – Search engine, 9 – SMTP, 10 – web server}

- (ii) The HTML source of the web page given in Figure 1 is given in Figure 2 with certain missing tags labelled ❶ to ❿.

Artificial Intelligence

Artificial Intelligence (AI) is used in communication, banking, shopping, travel and learning. It can save time, improve accuracy and support daily tasks. However, it may also raise concerns such as privacy risks, incorrect information and unfair decisions.

Activity	How AI can help
Communication	Grammar checks, translations, suggested replies
Learning	Simple explanations, practice questions, study support
Work tasks	Drafting emails, summarizing notes, organizing key points
Travel	Route planning, traffic updates, time estimates
Health	Medicine reminders, appointment alerts, basic well-being guidance

Concerns

- **Incorrect information:** AI may provide wrong or incomplete answers.
- **Unfair results:** AI can reflect bias and treat people unequally.
- **Scams and misinformation:** AI-generated messages can appear believable.
- **Over-dependence:** Heavy use can reduce independent thinking and learning.

AI is helpful when used carefully. Keep in control by checking facts, protecting personal data and using AI as a support rather than a final decision-maker.

For more information: [UNESCO AI guidelines](https://www.unesco.org)

Figure 1: Web page

```

<html>
<head> ❶How AI can help in daily life❷ </head>
<body>
❸<h1>Artificial Intelligence</h1>❹</❹>

❸ Artificial Intelligence (AI) is used in communication, banking, shopping, travel and learning. It can save
time, improve accuracy and support daily tasks. However, it may also raise concerns such as privacy risks, incorrect
information and unfair decisions. ❸</❸>

<table border="2" align="center">
❹ <th>Activity</th> <th>How AI can help</th>❹</❹>
❹ <❹>❹Communication</❹> <❹>❹Grammar checks, translations, suggested replies</❹>❹</❹>
❹ <❹>❹Learning</❹> <❹>❹Simple explanations, practice questions, study support</❹>❹</❹>
❹ <❹>❹Work tasks</❹> <❹>❹Drafting emails, summarizing notes, organizing key points</❹>❹</❹>
❹ <❹>❹Travel</❹> <❹>❹Route planning, traffic updates, time estimates</❹>❹</❹>
❹ <❹>❹Health</❹> <❹>❹Medicine reminders, appointment alerts, basic well-being guidance</❹>❹</❹>
</table>

❹<h2>Concerns</h2>❹</❹>
❹</❹>
❹<❹>❹Incorrect information:</b> AI may provide wrong or incomplete answers.</❹>❹</❹>
❹<❹>❹Unfair results:</b> AI can reflect bias and treat people unequally.</❹>❹</❹>
❹<❹>❹Scams and misinformation:</b> AI-generated messages can appear believable.</❹>❹</❹>
❹<❹>❹Over-dependence:</b> Heavy use can reduce independent thinking and learning.</❹>❹</❹>
❹</❹>

<p> AI is helpful when used carefully. Keep in control by checking facts, protecting personal data, and
using AI as a support rather than a final decision-maker.</p>

<center>For more information: <a ❿="https://www.unesco.org">UNESCO AI guidelines</a> </center>

</body>
</html>

```

Figure 2: HTML Source

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

List: {b, bold, center, h1, h3, href, img, li, nr, ol, p, td, title, topic, tr, ul}

- (iii) What is meant by a *dynamic* web page?
- (iv) What is meant by a 'shared host'?
7. (i) A person goes to the closest town every month to pay the electricity and telephone bills of his house. The town is 10 km away. The person has a bank account and a smart phone too. Isn't there a more efficient way for him to pay his bills? Explain.
- (ii) What is meant by 'plagiarism'? Give one method that one could use to avoid it when reproducing content taken from another source.
- (iii) What is meant by 'taking backups'? What should be backed up?
- (iv) 'Reduce, Reuse and Recycle' is a good environmental conservation technique. Write down **two** ways to 'Reduce' the use of ICT equipment.
- (v) Give **two** reasons as to why one should not install an illegal copy of a proprietary software on a computer.
- (vi) 'Internet can both be a boon or a bane.' Write down **two** pieces of advice that you can give a friend so that the Internet ICT can be a boon and not a bane for your friend.
