G.C.E. O/L Grade 11 ICT · Lesson 5

Lesson 5 O/L Exam Practice: Questions and Answers

These questions are in the style of the O/L ICT exam. Paper I has multiple choice questions. Paper II has structured questions with parts, model answers and marking points. They cover all of Lesson 5 (5.1–5.4): planning a website, purpose and audience, site maps, wireframes, colour contrast, specifications, hypertext, HTML structure, headings, paragraphs and line breaks, text format and colour, images, hyperlinks, lists, tables, web authoring tools, static and dynamic websites, CMS workflow and roles, web hosting, ISPs, uploading and maintenance.

Paper I – Multiple choice questions (25)

1. The first thing to decide when planning a website is its

A. background music
B. purpose
C. hosting company
D. font size

2. A diagram showing all pages of a site and how they link is a

A. wireframe
B. storyboard
C. site map
D. flowchart of code

3. A simple sketch of where things go on one page is a

A. site map
B. domain
C. CMS
D. wireframe

4. Yellow text #F5B700 on white has a contrast of 1.8 : 1. This is

A. only for printing
B. too low – hard to read
C. perfect for body text
D. too high

5. Text that contains links to other pages is called

A. hypertext
B. metadata
C. rich text
D. plain text

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6. The text in the browser tab comes from

A. <footer>
B. <h1> in the <body>
C. <title> in the <head>
D. <p> in the <body>

7. Which tag makes a line break?

A.
B. <lb>
C. <p>
D. <hr>

8. The largest heading tag is

A. <head>
B. <big>
C. <h6>
D. <h1>

9. Which is correct HTML5 for red text?

A. <font color="red">
B.
C. <red>
D. <p colour="red">

10. Which attribute gives text for an image that cannot be seen?

A. href
B. src
C. alt
D. title

11. In About, about.html is a

A. absolute link
B. e-mail link
C. image
D. relative link

12. Which opens a link in a new tab?

A. target="_blank"
B. alt="tab"
C. rel="tab"
D. href="_new"

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13. A numbered list uses

A.
B. <nl>
C.
D. <dl>

14. In a table, a heading cell is

A. <td>
B. <th>
C. <tr>
D. <thead-cell>

15. A cell with colspan="3" will

A. repeat three times
B. cover three rows
C. cover three columns
D. be 3 px wide

16. An editor where you see the page as it will look is

A. FTP client
B. text editor
C. compiler
D. WYSIWYG

17. A website whose pages change from a database is

A. static
B. hypertext only
C. offline
D. dynamic

18. WordPress and Joomla are examples of a

A. ISP
B. CMS
C. web browser
D. search engine

19. In a CMS, who can approve and publish other people’s posts but not manage users?

A. Publisher
B. Administrator
C. Creator
D. User

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20. The correct CMS workflow order is

A. edit → use → create → publish

B. create → edit → publish → use

C. use → publish → edit → create

D. publish → create → edit → use

21. Responsive design means a page

A. fits phones, tablets and computers

B. has no images

C. loads only on phones

D. plays sound when clicked

22. DNS is used to

A. change domain names into IP addresses

B. design pages

C. encrypt data

D. upload files

23. The school site is 120 MB. On a 1 GB plan it uses about

A. 50%

B. 1.2%

C. 11.72%

D. 12%

24. Uploading 120 MB at 8 Mbps takes

A. 8 seconds

B. 15 seconds

C. 960 seconds

D. 120 seconds

25. Which is a website maintenance task?

A. Fixing broken links

B. Drawing a site map

C. Registering the first domain

D. Choosing the audience

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Paper II – Structured questions

1. Planning a website. Sunrise College wants a website. *(7 marks)*

(i) Give one purpose and two target audiences for the site. *(3 marks)*
(ii) Look at the site map. How many top-level pages are under Home? Name two. *(2 marks)*
(iii) Explain what a wireframe is and give one thing it shows. *(2 marks)*

2. Colour and contrast. *(4 marks)*

(i) Which pair is easier to read: yellow on white (1.8 : 1) or white on navy (16.6 : 1)? Why? *(2 marks)*
(ii) Give two other things to include in a website specification. *(2 marks)*

3. HTML structure. Study the code. *(5 marks)*

(i) Name the two main parts inside <html> and say what each holds. *(2 marks)*
(ii) What will appear on the browser tab? *(1 marks)*
(iii) Write the HTML for a paragraph with a line break after the word Sunrise. *(2 marks)*

4. Images and links. *(5 marks)*

(i) In the image code, give the purpose of src and alt. *(2 marks)*
(ii) From the link code, give one absolute link, one relative link and one e-mail link. *(3 marks)*

5. Lists and tables. *(6 marks)*

(i) How many <tr>, <th> and <td> elements are in the timetable? *(3 marks)*
(ii) What does colspan="3" do in the last row? *(1 marks)*
(iii) Give the difference between <ol> and <ul>. *(2 marks)*

6. Web tools and CMS. *(6 marks)*

(i) Give one difference between a static and a dynamic website, with an example of each. *(3 marks)*
(ii) A student writes a news post, a teacher checks it and the principal puts it online. Name the CMS role of each. *(3 marks)*

7. Publishing and maintenance. *(8 marks)*

(i) The site files are: 12 html pages of 40 KB, 80 photos of 250 KB, 4 videos of 25,600 KB. Calculate the total in MB. *(3 marks)*
(ii) How long does it take to upload at 8 Mbps? *(2 marks)*
(iii) Give the role of an ISP and two maintenance tasks. *(3 marks)*

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Exam tips

- Plan: purpose, audience, content, layout, media, specification.
- Site map = all pages; wireframe = one page layout.
- Text contrast should be at least 4.5 : 1.
- <head> holds <title>; <body> holds what you see.
- <h1> biggest … <h6> smallest; <p> paragraph;
 new line.
- Use style="color:…", not <font>.
- <img src alt width height> – always give alt.
- <a href> – absolute (https://), relative, mailto:, #id.
- numbers, <ul> bullets, <li> items.
- <table> <tr> row, <th> heading, <td> data, colspan.
- CMS: Creator → Editor → Publisher; Administrator manages all.
- Upload seconds = MB × 8 ÷ Mbps; maintain after publishing.

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Answers and explanations

Paper I

1. **B** – Purpose and audience come first.
2. **C** – A site map shows the page tree.
3. **D** – Boxes for header, menu, content and footer.
4. **B** – Body text needs at least 4.5 : 1.
5. **A** – Hypertext = text with hyperlinks.
6. **C** – The title is inside the head.
7. **A** –
 is an empty element.
8. **D** – h1 is biggest, h6 smallest.
9. **B** – <font> is obsolete; use style.
10. **C** – alt helps blind users and slow connections.
11. **D** – Same website, no https://.
12. **A** – target=_blank opens a new tab.
13. **C** – ol = ordered list.
14. **B** – th = table heading.
15. **C** – colspan joins columns; rowspan joins rows.
16. **D** – What You See Is What You Get.
17. **D** – Dynamic sites build pages when asked.
18. **B** – Content Management Systems.
19. **A** – The Administrator also manages users.
20. **B** – Content is checked before it goes live.
21. **A** – The layout changes with screen width.
22. **A** – Like a phone book.
23. **C** – 120 ÷ 1024 × 100.
24. **D** – 120 × 8 ÷ 8.
25. **A** – Maintenance happens after publishing.

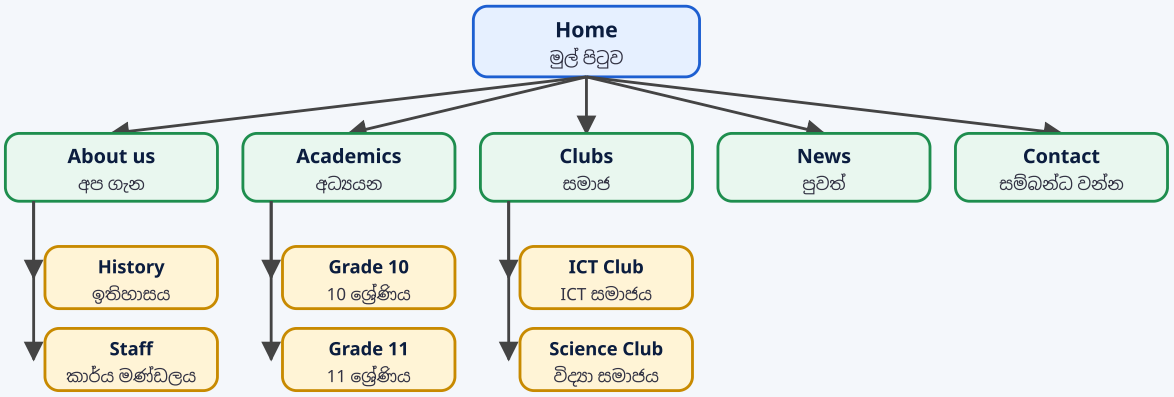
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Paper II – model answers and marking points

1. *(7 marks)*

(i) (3 marks)
Purpose: share school news and events (1). Audiences: students (1), parents (1) – or old pupils, teachers.

(ii) (2 marks)
5 pages (1); e.g. About us, Academics, Clubs, News, Contact (1).



12 pages in 3 levels

Site map of the school website.

(iii) (2 marks)
A simple sketch of one page layout (1); it shows where the header, menu, content or footer go (1).

> 🎯 Examiner tip: name real audiences, not just “people”.

2. *(4 marks)*

(i) (2 marks)
White on navy (1) – higher contrast, above 4.5 : 1 (1).



Navy blue	Gold	White	Light grey	Dark grey
#0B1D3F	#F5B700	#FFFFFF	#F2F4F8	#1F2937
නාවික නිල්	රන්වන්	සුදු	ලා අළු	තද අළු

The school colour scheme.

(ii) (2 marks)
Any two: purpose, audience, list of pages, fonts, media, devices, hosting, deadline (2).

> 🎯 Examiner tip: say which is better and give the reason – both earn marks.

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3. *(5 marks)*

(i) (2 marks)

<head> – information such as the title (1); <body> – what is shown on the page (1).

HTML: A complete HTML document

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>Sunrise College</title>
</head>
<body>
  <h1>Welcome to Sunrise College</h1>
  <p>We are a mixed school in Kandy.</p>
</body>
</html>
```

▶ **Result in the browser**

Welcome to Sunrise College

We are a mixed school in Kandy.

(ii) (1 marks)

The text inside <title> (1).

(iii) (2 marks)

Sunrise
College – p tags (1), br in the right place (1).

🎯 Examiner tip: close every tag you open, except empty ones like <br> and <img>.

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4. *(5 marks)*

(i) (2 marks)
src – the file name or address of the picture (1); alt – text shown or read aloud if the picture is not seen (1).

HTML: Inserting an image

```
<h2>Our school</h2>
<img src="school.jpg" alt="Front gate of Sunrise College"
     width="300" height="200">
<p>The front gate in 2026.</p>
```

▶ **Result in the browser**

Our school



The front gate in 2026.

(ii) (3 marks)
Absolute: https://www.moe.gov.lk (1); relative: about.html (1); e-mail: mailto:info@sunrise.lk (1).

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HTML: Hyperlinks

```
<p><a href="https://www.moe.gov.lk">Ministry of Education</a></p>
<p><a href="about.html">About our school</a></p>
<p><a href="https://www.e-thaksalawa.moe.gov.lk" target="_blank">e-thaksalawa (new tab)
</a></p>
<p><a href="mailto:info@sunrise.lk">E-mail us</a></p>
<p><a href="#top">Back to top</a></p>
```

▶ Result in the browser

Ministry of Education

About our school

e-thaksalawa (new tab)

E-mail us

Back to top

🎯 Examiner tip: an absolute link starts with https://.

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5. *(6 marks)*

(i) (3 marks)

4 tr (1), 3 th (1), 7 td (1).

HTML: A table

```
<table border="1">
  <caption>ICT Club timetable</caption>
  <tr>
    <th>Day</th>
    <th>Time</th>
    <th>Activity</th>
  </tr>
  <tr>
    <td>Monday</td>
    <td>2.00 pm</td>
    <td>Scratch</td>
  </tr>
  <tr>
    <td>Wednesday</td>
    <td>2.00 pm</td>
    <td>HTML</td>
  </tr>
  <tr>
    <td colspan="3">All Grade 10 and 11 students are welcome</td>
  </tr>
</table>
```

▶ **Result in the browser**

ICT Club timetable

Day	Time	Activity
Monday	2.00 pm	Scratch
Wednesday	2.00 pm	HTML
All Grade 10 and 11 students are welcome		

(ii) (1 marks)

Makes one cell cover all three columns (1).

(iii) (2 marks)

 numbered list (1); bullet list (1).

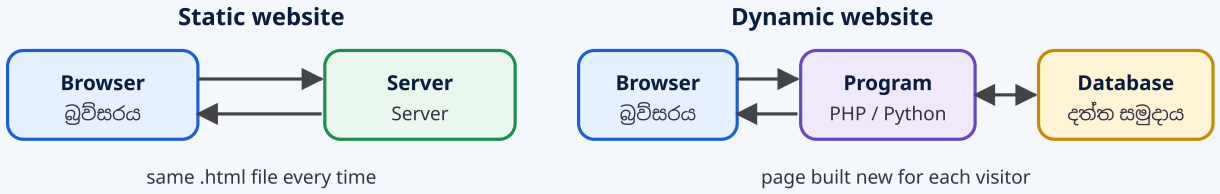
🎯 Examiner tip: count the colspan cell as one <td>.

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6. *(6 marks)*

(i) (3 marks)

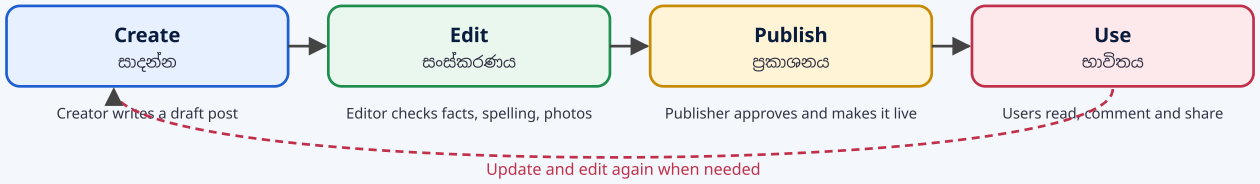
Static pages are fixed HTML files that look the same to everyone; dynamic pages are made from a database and can change (1). Static: a small school brochure site (1); dynamic: an online shop or news site (1).



Static and dynamic websites.

(ii) (3 marks)

Student – Creator (1); teacher – Editor (1); principal – Publisher (1).



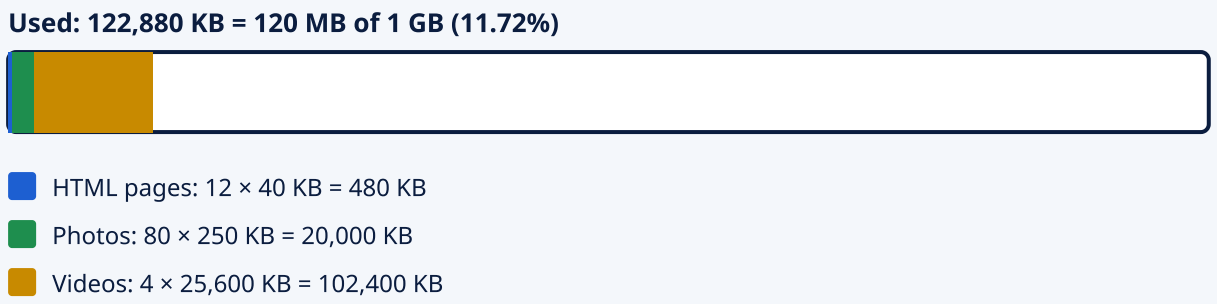
CMS workflow.

🎯 Examiner tip: match each person to what they do: create, edit, publish.

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7. *(8 marks)*

(i) (3 marks)
480 + 20,000 + 102,400 = 122,880 KB (2); ÷ 1024 = 120 MB (1).



Hosting space used.

(ii) (2 marks)
120 × 8 = 960 Mb (1); ÷ 8 = 120 s (1).

(iii) (3 marks)
ISP gives Internet access and web hosting space (1). Any two: update content, fix broken links, back up, security updates, renew the domain (2).

🎯 Examiner tip: multiply MB by 8 before dividing by Mbps.

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