

Instructions for Section B

[EXIT](#)

SECTION B – Short-answer questions

Answer **all** questions.

Each question is answered by typing a response into the answer field which will automatically load to your screen.

All the text you enter will be automatically saved.

You can review and change your answer at any time.

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Section B, Question 1

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Describe how you could apply the design principle of balance to improve the layout shown at right.

2 marks



Visit Hong Kong!

Hong Kong is a great place to visit all year round.

With its exotic 'East meets West' culture you will be sure to experience a once in a lifetime holiday.

Street markets, exciting nightlife, serene temples and great food... Hong Kong really does have it all!



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Section B, Question 2

EXIT

You have been asked to design a multimedia interface for a CD-ROM product that provides information about health issues. State an audience characteristic you will take into account when choosing colours for the design and explain why this characteristic affects your colour choice.

2 marks

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Section B, Question 3

EXIT

Your client would like to publish their product brochures in electronic format on their website.

- a. Describe **one** advantage of publishing the product brochure as a PDF file.

1 mark

- b. Describe **one** advantage of publishing the product brochure as an html page.

1 mark

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Section B, Question 4

EXIT

Identify **two** different ways of presenting an algorithm.

2 marks

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```
distanceTotal = 100;
distanceTravelled = 100;
averageSpeed = 100;
if (distanceTravelled < distanceTotal) {
distanceLeft = distanceTotal - distanceTravelled; trace("You have
"+distanceLeft+" kilometres more to travel");}
else if (distanceTravelled > distanceTotal) {
distanceLeft = distanceTravelled - distanceTotal; trace("Stop and turn
back!!, you are "+distanceLeft+" kilometres past your final
destination");}
else {
trace("Stop the car!!!...you have arrived.");
}
```

a. Describe **two** ways in which you could improve the readability of the code above.

2 marks

b. Give **one** reason why it is important that the code is easy to read.

1 mark

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Section B, Question 6

EXIT

```
1 if distanceTravelled > distanceTotal
2   message = "You have (distanceTotal + distanceTravelled) more to travel"
3 else if distanceTravelled > distanceTotal
4   message ="Stop and turn back!!, you are (distanceTravelled * distanceTotal) past
   your final destination"
5 else
6   message = "Stop the car!!! "
```

The above pseudocode has errors in its logic in lines 1, 2 and 4.
Give the correct pseudocode for each of these lines.

3 marks



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Section B, Question 7

EXIT

Give **one** reason why web pages should be tested in different browsers.

1 mark

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Section B, Question 8

EXIT

The following list outlines the tasks required to design a website but the tasks are in the wrong order.

Drag and drop the tasks into the correct order.

1 mark

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When creating a web page, which HTML code element increases the accessibility of images?

1 mark

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Section B, Question 10

EXIT

You are on a team which is creating a website to demonstrate tennis technique. The team has decided to use animation files rather than video files for the demonstrations.

Give **two** reasons to support this decision.

2 marks

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You have to create the image at right for an animation.

Would it be better to create the image as a vector graphic or a bitmap graphic?

Graphic selected

vector bitmap

List **three** factors to support your decision.



3 marks

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Section B, Question 12

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a. Name **one** animation technique that contributes to a smaller file size.

1 mark

b. Describe how this technique contributes to a smaller file size.

1 mark

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Section B, Question 13

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The web can be described as 'a linking medium'.

- a. How can you take advantage of linking when presenting a technical document?

1 mark

- b. From a user's point of view, describe one potential problem with extensive linking.

1 mark

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Section B, Question 14

EXIT

The following is written in passive voice.
'The ball is served by the player with the racquet.'

- a. Rewrite the statement in active voice.

2 marks

- b. Give **one** advantage of writing in active voice and **one** advantage of writing in passive voice.

2 marks

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