

# INTERNATIONAL GCSE

## Information and Communication Technology (ICT) (9-1)

SPECIMEN

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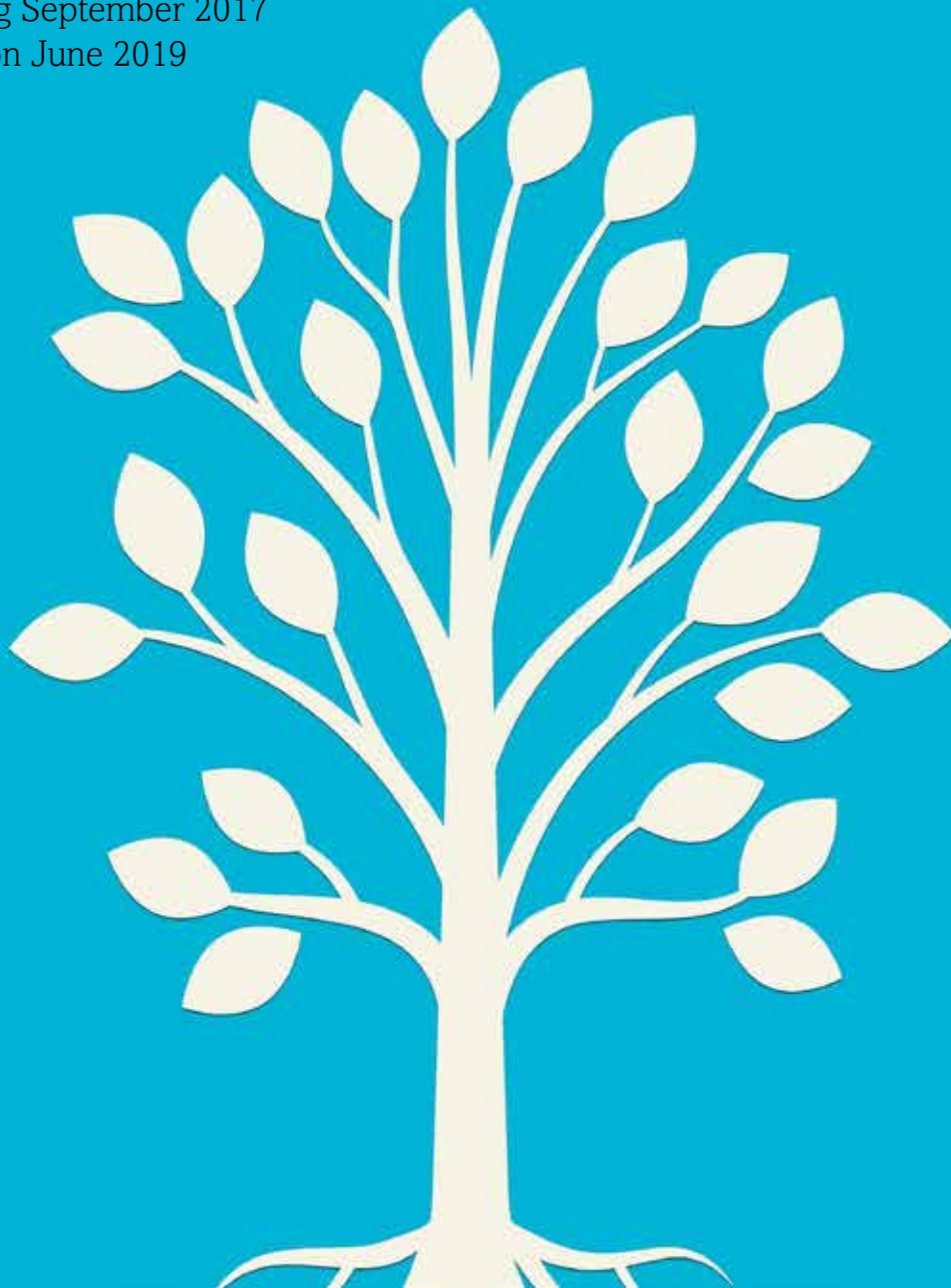
Pearson Edexcel International GCSE in Information and Communication Technology (ICT) (4IT1)

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For first teaching September 2017

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Issue 2



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## *Acknowledgements*

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# Introduction

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The Pearson Edexcel International GCSE (9-1) in Information and Communication Technology (ICT) is designed for use in schools and colleges. It is part of a suite of International GCSE qualifications offered by Pearson.

These sample assessment materials have been developed to support this qualification and will be used as the benchmark to develop the assessment students will take.



# General marking guidance

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- All candidates must receive the same treatment. Examiners must mark the last candidate in exactly the same way as they mark the first.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than be penalised for omissions.
- Examiners should mark according to the mark scheme – not according to their perception of where the grade boundaries may lie.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification/indicative content will not be exhaustive.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, a senior examiner must be consulted before a mark is given.
- Crossed-out work should be marked unless the candidate has replaced it with an alternative response.
- Candidates' responses need to provide evidence that meets the whole of the level, and preceding levels in a levels based mark scheme, before being considered against a higher level.





Please check the examination details below before entering your candidate information

Candidate surname

Other names

**Pearson Edexcel  
International GCSE**

Centre Number

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Candidate Number

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**Specimen Paper**

Time: 1 hour 30 minutes

Paper Reference **4IT1/01**

**Information and Communication  
Technology**

**Level 1/2**

**Paper 1: Written Paper**

**You do not need any other materials.**

Total Marks

## Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*

## Information

- The total mark for this paper is 100.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

## Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

Turn over ►

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**Answer ALL questions.**

**Write your answers in the spaces provided.**

**Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.**



(Source: © pianodiaphragm/Shutterstock)

**1** (a) Smart speakers use embedded microprocessors.

Give **one** other example of a device that uses an embedded microprocessor.

(1)

.....

.....

(b) Which **one** of these is a measurement of processor speed?

(1)

- A** KiB
- B** Dpi
- C** CPU
- D** GHz

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

(c) Which **one** of these digital communication types has the greatest bandwidth?

(1)

- A** Infra-red
- B** NFC
- C** Wi-Fi
- D** 3G

(d) Which **one** of these would be used to secure data exchanged in a network?

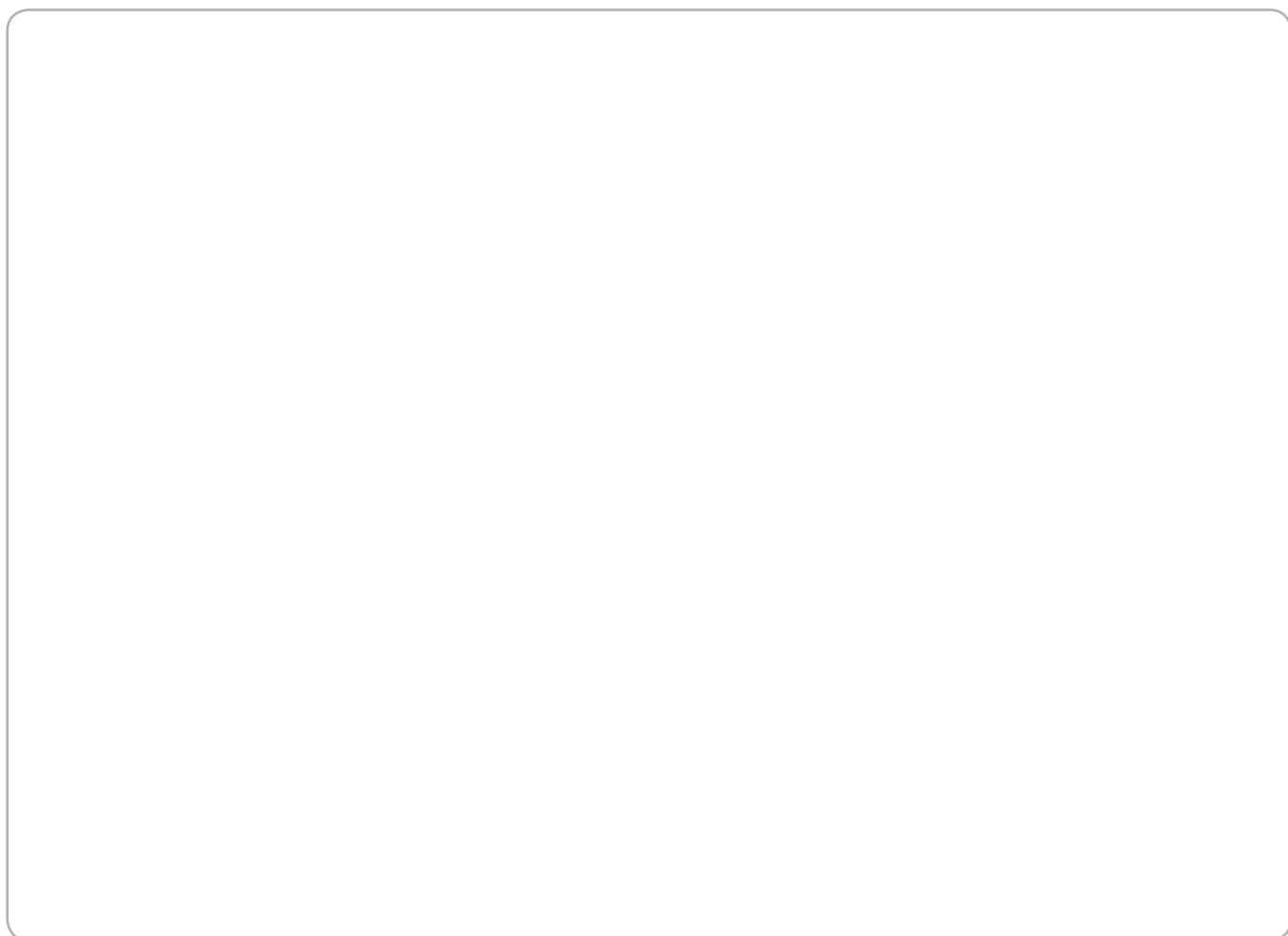
(1)

- A** Access rights
- B** Copyright
- C** Encryption
- D** Compression

(e) Draw a diagram to show how a Wi-Fi router can be used with a gateway to provide a smart speaker with an internet connection.

Label each component of your diagram.

(4)



(f) Describe how tethering could be used to give the smart speaker access to the Internet.

(2)

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(g) Explain why a smart speaker uses ROM.

(2)

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(h) One benefit to users of streaming music rather than downloading it is reduced cost.

Explain **one** other benefit to users of streaming music rather than downloading it.

(2)

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(i) Some people cannot access the Internet because of technical faults.

List **three** other causes of a lack of access to the Internet.

(3)

Cause 1

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Cause 2

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.....

Cause 3

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.....

(j) List **two** benefits to music companies of using the Internet to distribute music.

(2)

1 .....  
.....

2 .....  
.....

**(Total for Question 1 = 19 marks)**

2 Chapa uses an online store to shop for a new laptop.

(a) Which **one** of these would Chapa need in order to use the online store?

(1)

- A** Utility
- B** Browser
- C** Search engine
- D** Hosted application

(b) Which **one** of these is used by the online store to authenticate that Chapa is a real person?

(1)

- A** Client-server
- B** File permissions
- C** Backup procedures
- D** CAPTCHA test

(c) Explain **two** advantages for Chapa of shopping online rather than on the high street.

(4)

1 .....

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2 .....

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(d) The online store can be accessed from any Internet-connected device.

List **two** features of a smartphone that make it suitable for online shopping when travelling.

(2)

1 .....

2 .....

(e) The online store must backup its data.

Which **one** of these is the most suitable storage type for a large organisation to use for backups?

(1)

- A** DVD
- B** Magnetic tape
- C** SD Card
- D** Memory stick

(f) The online store uses a forum, which is shown in **Figure 1**.

Mo's Computer Forum		Eg: Webcam, Screensize...	
LAPTOPS			LATEST
14"		1,974,956	WhiteSnake76 6 minutes ago
13"		1,710,235	alexolu 8 minutes ago
11.1"		668,453	Finstar 11 minutes ago

Identify **two** key features of the forum shown in **Figure 1**.

(2)

- 1 .....
- 2 .....

(g) Some people misrepresent themselves in online communities.

(i) Describe how misrepresentation is a threat to the safety of individuals.

(4)

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(ii) Describe **one** method of reducing the risks associated with online misrepresentation.

(2)

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(h) List **two** social impacts of the Internet on individuals.

(2)

1 .....

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2 .....

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**(Total for Question 2 = 19 marks)**

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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

3 Laura plays online games with other people.

(a) Laura notices that her character's actions are not in time with other players' characters.

Which **one** of these would need to be reduced to improve Laura's online gaming experience?

(1)

- A** Bandwidth
- B** Storage
- C** Latency
- D** Memory

(b) A Blu-ray disc is listed as being able to store 50 GiB of data.

Construct an expression to show how many bits are in 50 GiB.

(3)

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(c) Which **one** of these is used to identify a games console on a network?

(1)

- A** Subscriber Identification Module (SIM)
- B** Media Access Control (MAC)
- C** Hyper Text Transfer Protocol (HTTP)
- D** Near Field Communication (NFC)

(d) Identify the device that uses solid state storage.

(1)

 <p>(Source: © Pearson Asset Library)</p>	<input type="checkbox"/>
 <p>(Source: © deepblue4you/Getty Images)</p>	<input type="checkbox"/>
 <p>(Source: © Oliver Cleve/Getty Images)</p>	<input type="checkbox"/>
 <p>(Source: © Pearson Asset Library)</p>	<input type="checkbox"/>

(e) (i) Explain **one** benefit of using magnetic storage with a games console.

(2)

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(ii) Explain **one** benefit of using solid state storage with a games console.

(2)

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(f) Recommend **one** peripheral device that could be used with a games console to enhance the user experience when gaming. Give a reason for your answer.

(2)

Device

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Reason

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.....

(g) Laura's games console uses a proprietary operating system.

Which **one** of these describes a proprietary operating system?

(1)

- A** Owned by a company
- B** Created by specialists
- C** Uses a firewall
- D** Hosted in the cloud

- (h) A smartphone can be used to play games, make calls and take photographs.  
State the term used to describe this **type** of device. (1)

- (i) Which **one** of these is a benefit of using a VPN for gaming? (1)

- A** Provides access to geo-restricted games
- B** More games are available using VPN
- C** Gives more detailed images
- D** Reduces bandwidth

- (j) Laura receives an email.

<b>From:</b>	customer_payments@g00gmail.com
<b>Subject:</b>	Canceled transaction - Open within 5 mins of receiving
<b>Date:</b>	Feb 24 2018 11:30:33 GMT +03:00
<b>To:</b>	Account Holder

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Dear Account Holder,  
I need to confirm your account details. The transfer (ID:869118552344), sent from your account, was canceled by The Payment Authorizarion Center.

**The account details on file are:**  
**Account Number: 8621362**                      **Bank Code: 78-26054**

Rejected Transfer	
<b>Transaction ID:</b>	86911855
<b>Reason of rejection</b>	See details in the report below
<b>Transaction Report</b>	<a href="#">Report 86911855.pdf.exe</a> (PDF)

13150 Sunset Drive, Suite 1000 Lickley, CA 20171, USA                      2013 - The Payment Authorization Center.

**Figure 2** (3)

Identify **three** items in **Figure 2** that may cause Laura to believe this is an attempt at fraud.

- 1 .....
- 2 .....
- 3 .....

(k) State the term used for the type of email shown in **Figure 2**.

(1)

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**(Total for Question 3 = 19 marks)**

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4 An airline uses locally installed software to manage bookings.

(a) The airline is concerned about viruses.

(i) Describe how the use of anti-virus software prevents risks to data and information.

(4)

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(ii) State **one** other type of malware.

(1)

(b) An operating system manages the memory used by the booking software.

Which **one** of these is also a function of an operating system?

(1)

- A** Print spooling
- B** Creating apps
- C** Data protection
- D** Managing a PAN





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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

(e) The airline stores transactional data about customer purchases.

Customers who fly are offered rewards by the airline and other companies.

Analyse the use of transactional data by the airline.

(8)

Area with horizontal dotted lines for writing the answer.

**(Total for Question 4 = 20 marks)**

5 An athletics organisation stores data about athletes.

(a) Describe how **two** features of hosted applications could benefit the athletics organisation.

(4)

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(b) Which **one** of these is a type of storage device?

(1)

- A** Hard disk
- B** Blu-ray drive
- C** Solid state memory
- D** DVD-ROM

(c) Explain why there are legal requirements for organisations that store data about individuals.

(4)

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(d) The athletics organisation uses networks.

(i) Complete this table.

(3)

Network type	Example
PAN (Personal Area Network)	
	The Internet
LAN (Local Area Network)	

(ii) List **three** benefits **to the athletics organisation** of using a client-server network, rather than a peer-to-peer network.

(3)

- 1 .....
- 2 .....
- 3 .....

DO NOT WRITE IN THIS AREA

(e) The athletics organisation asks athletes to provide a detailed personal profile with this statement:

'Having more data about our members helps us to help you.'

Justify the organisation's decision to gather this personal information from athletes.

(8)

Area with horizontal dotted lines for writing the answer.

**(Total for Question 5 = 23 marks)**

**TOTAL FOR PAPER = 100 MARKS**

Mark scheme

Specimen Paper  
for first teaching September 2017

International GCSE in Information  
and Communication Technology  
(4IT1/01)

Paper 1: Written Paper

Question	Answer	Mark
<b>1(a)</b>	Examples of systems that use embedded microprocessors such as: Washing machine (Digital) camera Traffic lights	<b>(1)</b>
Question	Answer	Mark
<b>1b</b>	D	<b>(1)</b>
Question	Answer	Mark
<b>1c</b>	C	<b>(1)</b>
Question	Answer	Mark
<b>1d</b>	C	<b>(1)</b>
Question	Answer	Mark
<b>1e</b>	A diagram to include: <ul style="list-style-type: none"> <li>• Smart speaker connected to Wi-Fi router (using Wi-Fi 'waves' / line)</li> <li>• Router to either include or be connected to the gateway</li> <li>• Gateway to lead to representation of the internet</li> <li>• All devices and connections in correct order</li> </ul>	<b>(4)</b>
Question	Answer	Mark
<b>1f</b>	Tethering allows the smart speaker to use connectivity (e.g. Wi-Fi, USB) (1) to share the connection to the internet provided by another internet-connected device (1)	<b>(2)</b>
Question	Answer	Mark
<b>1g</b>	It stores instructions that do not need to be changed / firmware (1) ROM is non-volatile/can't be changed (1)	<b>(2)</b>
Question	Answer	Mark
<b>1h</b>	<b>One</b> explanation from: <ul style="list-style-type: none"> <li>• Saves space on the device / more apps can be installed (1) because only enough data is stored to play from a buffer (1)</li> <li>• Can listen to it straight away (1) because don't need to download the full file first (1)</li> </ul>	<b>(2)</b>

Question	Answer	Mark
1i	<p>Any <b>three</b> causes from:</p> <ul style="list-style-type: none"> <li>• Cost of devices / affordability / low income / cost of connection</li> <li>• Low literacy</li> <li>• Lack of infrastructure / remoteness / geographical isolation</li> <li>• Political factors</li> <li>• Lack of ICT skills / confidence / training</li> <li>• Social factors (religion / gender)</li> <li>• Physical factors (disabilities)</li> </ul> <p><b>Do not accept: Cost (without expansion), Age.</b></p>	(3)
Question	Answer	Mark
1j	<p>Any <b>two</b> from:</p> <ul style="list-style-type: none"> <li>• Wider marketplace</li> <li>• Reduce cost of packaging</li> <li>• Better compliance with environmental regulation</li> <li>• Reduced / no postage costs</li> <li>• Reduced / no warehousing costs</li> <li>• Simpler logistics</li> <li>• No need to keep stock</li> </ul> <p><b>Do not accept: Reduce cost (without expansion), Less pollution (not a benefit to companies).</b></p>	(2)

Question	Answer	Mark
2a	B	(1)
Question	Answer	Mark
2b	D	(1)
Question	Answer	Mark
2c	Any <b>two explained</b> advantages such as: <ul style="list-style-type: none"> <li>• Saves time (1) as no need to travel (1)</li> <li>• Saves money (1) because can shop around (more widely) to get the best price (1)</li> <li>• More choice (1) as can buy from global/national retailers (1)</li> <li>• Can make comparisons more easily (1) using search filters etc. (1)</li> <li>• Greater rights to return goods (1) due to distance selling laws (1)</li> </ul>	(4)
Question	Answer	Mark
2d	Any <b>two</b> from: <ul style="list-style-type: none"> <li>• Small</li> <li>• Lightweight</li> <li>• Wireless connectivity</li> <li>• Converged device</li> </ul> Accept 'portable' if no other example of portability is already given.	(2)
Question	Answer	Mark
2e	B	(1)
Question	Answer	Mark
2f	Any <b>two</b> from: <ul style="list-style-type: none"> <li>• Search</li> <li>• Thread / category / topic / subject</li> <li>• (Up/Down) vote / rating</li> <li>• Number of posts</li> <li>• Time of post</li> <li>• Latest updates</li> <li>• Usernames</li> </ul> Allow 'tag' for mark point 3	(2)



Question	Answer	Mark
<b>2gi</b>	<p>A description such as:  It is possible to falsify identity online (1) leading vulnerable others (1) to misplace trust (1) and provide information that they would not otherwise (1) leading to inappropriate content/contact/conduct (1)</p> <p>Example response:  Individual may not be able to check someone else's details (1) may be tricked into trusting someone / thinking they know who it is (1). May reply with embarrassing/inappropriate message / private information (1). May be bullied/coerced/tricked into a meeting / further compromising actions (1)</p>	<b>(4)</b>
Question	Answer	Mark
<b>2gii</b>	<p>A description such as:</p> <ul style="list-style-type: none"> <li>• Don't post personal information (1) to anyone not known in the real world (1)</li> <li>• Block users (1) if suspicious of their identity (1)</li> <li>• Don't agree to a real-world meeting (1) unless you are certain about who it is / without taking a trusted adult (1)</li> <li>• Report suspicious users (1) to parents/teachers/trusted adult/authority (1)</li> </ul>	<b>(2)</b>
Question	Answer	Mark
<b>2h</b>	<p>Any <b>two</b> from:</p> <ul style="list-style-type: none"> <li>• Reduced/increased social interaction</li> <li>• Increased cyberbullying</li> <li>• Reduced physical activity</li> <li>• Improved communication</li> <li>• Improved access to information (e.g. educational, weather, traffic reports, location of friends)</li> </ul>	<b>(2)</b>

<b>Question</b>	<b>Answer</b>	<b>Mark</b>
<b>3a</b>	C	<b>(1)</b>
<b>Question</b>	<b>Answer</b>	<b>Mark</b>
<b>3b</b>	<ul style="list-style-type: none"> <li>• 1 mark for multiplying by 8 (for converting bytes to bits)</li> <li>• 1 mark for using 1024</li> <li>• 1 mark for complete expression (<math>50 \times 1024^3 \times 8</math>) that includes 1024 to power 3 (or <math>1024 \times 1024 \times 1024</math>) and each component multiplied.</li> </ul> <p>Accept equivalent expressions</p>	<b>(3)</b>
<b>Question</b>	<b>Answer</b>	<b>Mark</b>
<b>3c</b>	B	<b>(1)</b>
<b>Question</b>	<b>Answer</b>	<b>Mark</b>
<b>3d</b>	A (USB drive)	<b>(1)</b>

Question	Answer	Mark
<b>3ei</b>	An explanation of <b>one</b> reason such as: Magnetic storage is cheaper (1) so will make the device more marketable (1) Magnetic storage has a larger storage capacity (1) so console can store more games (1)	<b>(2)</b>
Question	Answer	Mark
<b>3eii</b>	An explanation of <b>one</b> reason such as: Solid state storage has faster access times (1) so games will load faster (1) Solid state storage is more resilient to movement (1) so gameplay will not be interrupted by vibrations/movement (1)	<b>(2)</b>
Question	Answer	Mark
<b>3f</b>	A recommendation such as: Device: Steering wheel/virtual reality headset (etc.) (1) Reason: To provide a more realistic/immersive experience (1)	<b>(2)</b>
Question	Answer	Mark
<b>3g</b>	A	<b>(1)</b>
Question	Answer	Mark
<b>3h</b>	Multifunctional	<b>(1)</b>
Question	Answer	Mark
<b>3i</b>	A	<b>(1)</b>
Question	Answer	Mark
<b>3j</b>	Any <b>three</b> from: 'Account Holder' (doesn't use name of recipient/uses) Email address (@g00glmail.com) Account details (bank would not put these in an email) Request for secure details (banks never ask for these) Wording includes pressure (to act quickly e.g. "Open within 5 mins") (Transaction) Report/link/attachment (to the PDF ends in .exe/.exe is not a pdf file extension) Transaction IDs (don't match/are included) Spelling errors	<b>(3)</b>
Question	Answer	Mark
<b>3k</b>	Phishing <b>Do not accept: Spam.</b>	<b>(1)</b>

Question	Answer	Mark
4ai	<p>A description such as:            Anti-virus software scans/checks/analyses (1) files stored on the computer (1) and attempts to match them (1) against a library of virus definitions (1)</p> <p>Or:            AV checks files being downloaded (1) uses heuristics / file behaviour (1) to detect unknown files/viruses (1) quarantines suspicious files/viruses (1)</p>	(4)
Question	Answer	Mark
4aii	<p>Any <b>one</b> from:</p> <ul style="list-style-type: none"> <li>• Spyware</li> <li>• Adware</li> </ul>	(1)
Question	Answer	Mark
4b	A	(1)
Question	Answer	Mark
4c	<p>Two explanations such as:</p> <ul style="list-style-type: none"> <li>• To take advantage of new features (1) to improve performance/functionality/user interface (UI) / to ensure compatibility with a range of software and hardware (1)</li> <li>• To get the latest security updates (1) to prevent risks to data caused by exploits uncovered since the operating system was first released / to correct/patch bugs that have been discovered since the initial release. (1)</li> </ul>	(4)
Question	Answer	Mark
4d	<p>A diagram that represents:            Data that is represented as being related (1) and relationships shown out of sequence. (1)            e.g.</p>	(2)

Question	Indicative content
4e	<p>Candidates should identify points/issues/information/outcomes related to an airline's use of transactional data and explain how it could be both a <b>benefit and a drawback</b> to the organisation, including its members and other stakeholders.</p> <p>The indicative content is not exhaustive/prescriptive and students should be credited for other relevant content.</p> <ul style="list-style-type: none"> <li>• Data protection requirements</li> <li>• Scenario states that third-party organisations can access data (so, consent of customers would be needed)</li> <li>• Frequent flyer perks to build a profile leading to points/rewards</li> <li>• Personalisation of experience – recommended seats/routes/meals</li> <li>• Targeted marketing – recommended flights for frequent routes, third parties could be offering products that complement flight (travel insurance, etc.)</li> <li>• Airline might use data to make business decisions – increase number of flights for a particular route due to popularity, no longer providing a route due to lack of popularity etc.</li> </ul>

Level	Mark	Descriptor (A03 – Analyse)
	<b>0</b>	No rewardable material.
<b>1</b>	<b>1–3</b>	<p>There will be some attempt at analysis. This may be limited to a review / restatement of the problem or a description of the scenario. There will be limited explanation of how the elements that have been analysed impact on the scenario / goal. Outcomes of the analysis will be briefly stated but they will often lack clarity. The response will lack clarity and organisation.</p>
<b>2</b>	<b>4–5</b>	<p>There will be evidence of analysis. Several aspects from the scenario/ goal / problem will have been examined to identify impacts such as when, why, where, what and how? Outcomes of analysis will be explained with some clarity, though this may not be in detail. The response will show some focus but it may not be well organised.</p>
<b>3</b>	<b>6–8</b>	<p>There will be clear evidence of analysis. The analysis will have identified relevant points in the scenario / goal. The outcomes of analysis will be explained in detail. The response will show good focus and organisation.</p>

Question	Answer	Mark								
<b>5a</b>	<p>A description of <b>two</b> features, such as:</p> <ul style="list-style-type: none"> <li>• Accessible from any (connected) device (1) so employees/athletes don't need to require a particular device/operating system to access (1)</li> <li>• Uses cloud storage (1) which can be shared easily with athletes/other organisations (1)</li> <li>• Can collaborate on documents (1) with athletes/other workers/organisations (1)</li> </ul>	<b>(4)</b>								
Question	Answer	Mark								
<b>5b</b>	B	<b>(1)</b>								
Question	Answer	Mark								
<b>5c</b>	<p>An explanation such as:  Personal data is valuable/private (1) and some organisations/third parties would exploit the data if it was made available to them. (1)  So, because governments have a responsibility to protect the rights of their citizens (1) they impose laws on organisations to act responsibly. (1)</p>	<b>(4)</b>								
Question	Answer	Mark								
<b>5di</b>	<table border="1"> <thead> <tr> <th>Network type</th> <th>Example</th> </tr> </thead> <tbody> <tr> <td>PAN (Personal Area Network)</td> <td>Smartphone connected to Bluetooth speaker</td> </tr> <tr> <td>WAN</td> <td>The Internet</td> </tr> <tr> <td>LAN (Local Area Network)</td> <td>Office network</td> </tr> </tbody> </table>	Network type	Example	PAN (Personal Area Network)	Smartphone connected to Bluetooth speaker	WAN	The Internet	LAN (Local Area Network)	Office network	<b>(3)</b>
Network type	Example									
PAN (Personal Area Network)	Smartphone connected to Bluetooth speaker									
WAN	The Internet									
LAN (Local Area Network)	Office network									

Question	Answer	Mark
5dii	<p>Any <b>three</b> from:</p> <ul style="list-style-type: none"> <li>• Control of user access rights</li> <li>• Centralised administration</li> <li>• Centralised backup</li> <li>• Shared software</li> <li>• Shared storage</li> <li>• Shared file access</li> <li>• Shared peripherals</li> <li>• Roaming profiles (hotdesk)</li> </ul> <p><b>Do not accept</b> 'reduced cost' without expansion.</p>	<b>(3)</b>

Question	Indicative content
<b>5e</b>	<p>Candidates should provide evidence to support the statement, about how using information would <b>benefit</b> the organisation, including its members and other stakeholders.</p> <p>The indicative content is not exhaustive/prescriptive and students should be credited for other relevant content.</p> <ul style="list-style-type: none"> <li>• Information can be analysed to find trends that can lead to better decision making, e.g. <ul style="list-style-type: none"> <li>○ Analysis of data for performance enhancement in sport</li> <li>○ Analysis of data to help apply for funding from governing bodies</li> <li>○ Analysis of communications between and about members to determine (for example) funding</li> <li>○ Analysis of member types / sports specialism to target funding.</li> </ul> </li> <li>• Sources of transactional data</li> <li>• Personalisation of experience</li> <li>• Targeted marketing</li> <li>• Efficiency of systems</li> <li>• Organisation can provide activities of interest to the members / in convenient locations to maximise attendance.</li> </ul>

Level	Mark	Descriptor (AO3 – Justify)
	<b>0</b>	No rewardable material.
<b>1</b>	<b>1–3</b>	<p>A limited number of points will be identified, some of which will support the statement.  At least one point will have evidence to support it.  There will be few (if any) links to the quote / statement.  There may a conclusion / summary of the argument but this is likely to be a simple statement.  The response will lack clarity and organisation.</p>
<b>2</b>	<b>4–5</b>	<p>A range of points will be identified but they will not all support the quote / statement.  Some points will be expanded and these will usually strengthen the support of the statement.  The points made will mainly link to the quote / statement but may include some generic points.  A conclusion / summary will be included.  The response will show some focus but may not be well organised.</p>
<b>3</b>	<b>6–8</b>	<p>The response will provide good evidence to support the quote / statement.  The response will be well argued with effective use of evidence.  The evidence used will be clearly explained.  There will be a conclusion / summary that clarifies the quote / statement.  The response will show good focus and organisation.</p>



# Pearson Edexcel International GCSE

## Information and Communication Technology

**Paper 2: Practical Paper**

**Level 1/2**

Specimen Paper 2017

**Time: 3 hours**

Paper Reference

**4IT1/02**

**You must have:** Cover sheet, short treasury tag.

Data Files: BOAT HIRE, POSTER, WAGES, WEBPAGE, CRUISE, PRESENTATION and IMAGES folder

### Instructions

- Complete your candidate details on the cover sheet provided.
- At the end of the examination, use a treasury tag to attach your printouts to page 2 of the cover sheet.

### Information

- There are **two** sections in this paper, with a total of **100** marks.
- The marks for each part of a task are shown in brackets: e.g. **(2)**.

### Advice

- Read through the instructions on page 2.
- Attempt **ALL** tasks.
- Take breaks away from the computer from time to time.
- Label your printouts clearly as instructed in each task.

Turn over ►

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Pearson

## Instructions to candidates

This paper consists of two sections. Each section contains several tasks.

Work through the tasks in order.

You **MUST** enter the task number, your name, candidate number and centre number on each document **BEFORE PRINTING**.

This table shows the major software used, the marks available and the data files needed for each section.

Section	Marks	Data files needed
A Graphics, database and word processing software	40	BOAT HIRE, POSTER, IMAGES folder
B Spreadsheet, web authoring and presentation software	60	WAGES, WEBPAGE, CRUISE, PRESENTATION and IMAGES folder
Total marks	100	

For each task, you may also need to use other software.

## Scenario

Selvy Mooten is the Manager of *Into the Sunset Cruises* (ITSC) that offers boat hire. The company has offices worldwide.

These are the company's contact details.

Address:

Sailaway Grove

Medway

Kent

TN98 3CR

Telephone: 01632 960123

Website: [www.itscruise.net](http://www.itscruise.net)

Email: [Selvy@itscruise.net](mailto:Selvy@itscruise.net)

## House style

The house style for company documents is:

- upper case letters for the company name
- top margin set to 4cm
- logo in the top right hand corner.

## SECTION A

### Task A1

Selvy needs a logo to be used on some documents.

**OPEN** a new word processing document.

**ENTER** "Task A1", your name, candidate number and centre number in the header.

**SAVE** the document as **TASK A1**.

### Task A1a

Create the logo.

The logo must be fit for purpose and:

- be a simple drawing that combines lines and shaded shapes
- represent a sailing boat
- include the company name or **ITSC**.

(3)

**SAVE** the logo as **ITSC LOGO**.

**INSERT** a copy of the logo into the document **TASK A1**.

**DO NOT PRINT** at this stage.

### Task A1b

Answer this question on the document **TASK A1**.

Explain **one** advantage of using a vector image rather than a bitmap image for a logo.

(2)

**SAVE TASK A1**.

**PRINT TASK A1** on **one** side of A4.

**(Total for Task A1 = 5 marks)**

## Task A2

Selvy has collected information about the boats and the customers who hire them.

She has saved the information in the database **BOAT HIRE**.

The **BOAT** table includes information about the boats available for hire.

The **HIRE** table includes information about the customers.

**OPEN** the **BOAT HIRE** database.

**OPEN** the **BOAT** table.

The structure of the **BOAT** table is:

Field name	Data type	Description
Boat ID	Text	A code to identify each boat
Boat Name	Text	Name of the boat
Berths	Number	Number of people the boat can accommodate
Cabins	Number	Number of cabins
Heads	Number	Number of bathrooms
Length (m)	Number	Length of the boat in metres
Skipper available	Yes/No	Does the boat have a skipper
Style	Text	Level of finish – Classic, Premier, Premier Plus

**OPEN** a new word processing document.

**SET** the orientation to landscape.

**ENTER** "Task A2", your name, candidate number and centre number in the header.

**SAVE** the document as **TASK A2**.

Selvy wants to add more boats to the **BOAT** table using a data entry form.

### Task A2a

Create a data entry form for the **BOAT** table.

The form must match the house style and:

- include the **ITSC LOGO** you created in **Task A1a**
- include a suitable title
- be customised so that the width of the:
  - Boat ID field is 3cm
  - Length (m) field is 2cm.

(3)

**SAVE** the form as **BOAT\_FORM**.

### Task A2b

The company has bought a new boat.

Use the **BOAT\_FORM** you created in **Task A2a** to add these details to the **BOAT** table.

Boat ID	OC456
Boat Name	Bernie
Berths	8
Cabins	4
Heads	2
Length (m)	10
Skipper available	No
Style	Classic

(2)

**TAKE** a screenshot of the completed form.

**PASTE** the screenshot into document **TASK A2**.

**RESAVE TASK A2**.

**DO NOT PRINT** at this stage.

### Task A2c

Sort the **BOAT** table by **Boat ID** into alphabetical order.

(1)

**RESAVE** the **BOAT** table.

**TAKE** a screenshot of the sorted table.

**PASTE** the screenshot into document **TASK A2**.

Make sure that all the data is displayed on **one** side of A4 and is easy to read.

**RESAVE TASK A2**.

**DO NOT PRINT** at this stage.

### Task A2d

Selvy wants a list of boats that:

- are Premier Plus style
- have a skipper available
- are more than 15m in length or have more than 10 berths.

The list must:

- show only the fields **Boat ID, Length (m), Boat Name, Berths** in this order
- be sorted in descending order of length.

Create a query on the **BOAT** table to produce this list.

(5)

**SAVE** the query as **PREMIER PLUS**.

**TAKE** a screenshot of the query design.

**PASTE** a copy of the query design into document **TASK A2**.

**DISPLAY** the results of the query.

**TAKE** a screenshot of the results.

**PASTE** a copy of the results of your query into document **TASK A2**.

**RESAVE TASK A2**.

**DO NOT PRINT** at this stage.

## Task A2e

**OPEN** the **HIRE** table.

The structure of the **HIRE** table is:

Field name	Data type	Description
Date of hire	Text	Week the boat is hired
Boat ID	Text	ID of the boat
Customer name	Text	Name of customer hiring the boat
Customer address	Text	Address of customer hiring the boat
Country	Text	Country in which the customer lives
Customer email	Text	Email address of the customer

Selvy wants a list of all customers from Spain and Singapore who hired boats in Week 27.

The list must:

- show only the fields **Boat ID**, **Customer name** and **Customer email** in this order
- be sorted into ascending order of **Country**.

Create a query on the **HIRE** table to find this information.

**SAVE** the query as **Week27\_query**.

Selvy wants to produce a database report based on the results from **Week27\_query**.

Create a database report to display the results.

The database report must match the house style and:

- have a suitable title
- include the **ITSC LOGO** you created in **Task A1a**
- show only the required fields
- show the records sorted as required.

Enter your name, your candidate number and centre number in the page footer.

(8)

Make sure that all the data is displayed on **one** side of A4 and is easy to read.

**SAVE** the report as **Week27\_report**.

**PRINT** **Week27\_report**.



### Task A2f

Answer these questions in the document **Task A2**.

The 'Style' field in the **BOAT** table uses validation.

- (i) Explain the need for validation when creating a database. (2)
- (ii) Identify the type of relationship between the two tables. (1)

This image shows the properties and values for the 'Customer email' field.

General		Lookup
Field Size	255	
Format		
Input Mask		
Caption		
Default Value		
Validation Rule		
Validation Text		
Required	No	
Allow Zero Length	Yes	
Indexed	No	
Unicode Compression	Yes	
IME Mode	No Control	
IME Sentence Mode	None	
Text Align	General	

Properties

Values

- (iii) State the name of the property that would be used as a presence check for the **Customer email** field. (1)
- (iv) Give **one** reason why a presence check has not been used for the **Customer email** field. (1)

**RESAVE TASK A2.**

**PRINT TASK A2.**

**(Total for Task A2 = 24 marks)**

### Task A3

*Into the Sunset Cruises* (ITSC) wants a printed poster to promote its boating holidays.

**OPEN** a new document using an appropriate software application.

**ENTER** your name, candidate number and centre number in the footer.

**SAVE** the document as **TASK A3**.

Text for the poster is stored in **POSTER**.

Create the poster.

The poster must:

- fit one side of A4
- be clear and easy to read
- be fit for purpose.

The poster must include:

- the title 'Relax, Enjoy and Cruise'
- the logo
- appropriate use of bullets
- the website address for ITSC
- the text from the file **POSTER**
- two relevant images from the **IMAGES** folder
- a table for the new boats that includes column headings.

(11)

**RESAVE TASK A3.**

**PRINT TASK A3.**

---

**(Total marks for Task A3 = 11 marks)**

---

**TOTAL FOR SECTION A = 40 MARKS**

## SECTION B

Attempt ALL tasks in this section.

### Task B1

*Into the Sunset Cruises* (ITSC) has offices worldwide and each office employs staff in the same job roles on the same contracts.

The spreadsheet **WAGES** contains July's payment details for staff from one office.

It has two worksheets called **PAYMENTS** and **DETAILS**. Some of the functions require you to use both worksheets.

**OPEN** the spreadsheet **WAGES**.

**OPEN** the worksheet **PAYMENTS**.

**ENTER** "Task B1", your name, candidate number and centre number in the header.

### Task B1a

- (i) Enter an automatic date in the footer. (1)
- (ii) Insert a row at the top of the **PAYMENTS** worksheet. Merge and centre cells A1 to O1. (1)
- (iii) Insert the heading 'Staff Payments – July'. (1)
- (iv) Set the formatting of the heading to:
- font size – 24
  - font colour – white
  - cell shading – dark grey. (1)

### Task B1b

Selvy wants to use spreadsheet tools to analyse the data.

- (i) Use spreadsheet functions to:
- display the hourly rate and contracted monthly hours (4)
  - calculate the total hours per month (1)
  - calculate the overtime pay. (1)

(ii) Enter formulae to calculate the:

- contracted pay per month (1)
- overtime hours worked (1)
- gross pay (1)
- tax to be deducted (1)
- net pay. (1)

(iii) Replicate all functions/formulae for all job titles. (2)

### Task B1c

Format the **PAYMENTS** worksheet so that:

- currency values show the currency symbol (£) with two decimal places (1)
- headings are wrapped to use the space efficiently (1)
- all data is visible (1)
- the spreadsheet displays row and column headers and the page header and footer when printed. (1)

**SAVE** the spreadsheet as **Task B1**.

**PRINT** the **PAYMENTS** worksheet in landscape showing the **FUNCTIONS** and **FORMULAE** on **two** sides of A4.

**PRINT** the **PAYMENTS** worksheet in landscape showing the **VALUES** on **two** sides of A4.

**(Total for Task B1 = 21 marks)**

## Task B2

Selvy is negotiating a new contract for Pay Grade 2.

Filter the **PAYMENTS** worksheet to show Pay Grade 2 employees.

(1)

Insert a column at the end of the spreadsheet and enter a formula to calculate the number of hours overtime worked as a **percentage** of the number of contracted monthly hours.

(1)

**SAVE** the spreadsheet as **Task B2**.

**PRINT** the **PAYMENTS** worksheet showing the **FUNCTIONS** and **FORMULAE**.

**PRINT** the **PAYMENTS** worksheet showing the **VALUES**.

**(Total for Task B2 = 2 marks)**

### Task B3

**OPEN** a new word processing document.

**ENTER** "Task B3", your name, candidate number and centre number in the header.

**SAVE** the document as **TASK B3**.

#### Task B3a

Create a suitable chart, based on data from **Task B2** (employees on Pay Grade 2), showing the percentage of hours overtime worked.

The chart must:

- be fit for purpose
- have a suitable title and values.

(3)

**SAVE** the spreadsheet as **Chart**.

**PASTE** the chart into the document **TASK B3**. Make sure that the chart is easy to read.

**DO NOT PRINT** at this stage.

#### Task B3b

Use the **PAYMENTS** worksheet from **Task B2** to display only the data for the job title, pay grade and net pay.

(1)

**SAVE** the spreadsheet as **Task B3b**.

**TAKE** a screenshot of the spreadsheet.

**PASTE** the screenshot into document **TASK B3**.

**DO NOT PRINT** at this stage.

#### Task B3c

Answer these questions on the document **TASK B3**.

(i) Explain why it is useful to have linked worksheets in a spreadsheet.

(2)

(ii) Explain why absolute referencing is used in spreadsheets.

(2)

**SAVE TASK B3.**

**PRINT TASK B3.**

**(Total for Task B3 = 8 marks)**

## Task B4

**OPEN** a new word processing document.

**ENTER** your name, candidate number and centre number in the header.

**SAVE** the document as **TASK B4**.

Selvy wants a website for the company. Content for the website is stored in **WEBPAGE**.

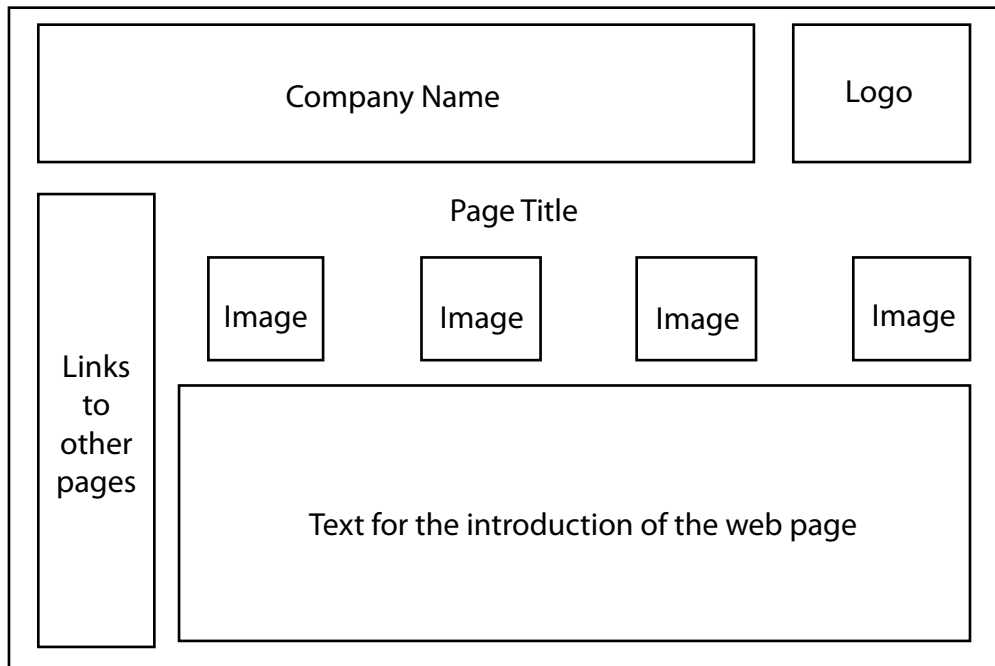
Selvy wants a home page that has links to three other pages:

- Boats
- Cruises
- Visits.

All web pages must be saved as .html

### Task B4a

(i) Create the home page based on this design:



Use the following colour scheme:

- background colour – Aqua (#00FFFF)
- text colour – Navy (#000080).

Use these HTML elements:

- company name – heading 1 <h1>
- page title – heading 2 <h2>
- body text – paragraph <p>

Include **four** appropriate images from the **IMAGES** folder and position them as shown in the design.

Include the content from the **WEBPAGE** document.

Include an email link to Selvy's email address.

(12)

**SAVE** the home page as **INDEX**.

**TAKE** a screenshot of your home page in a web browser.

**PASTE** the screenshot in document **TASK B4**.

**RESAVE TASK B4**.

**DO NOT PRINT** at this stage.

(ii) Create the Boats page by resaving the home page as **BOATS**.

Make the following changes to **BOATS**:

- page title – Boats
- replace the intro text with 'Page under construction'.

(1)

**SAVE** the Boats page as **BOATS**.

**TAKE** a screenshot of your Boats page in a web browser.

**PASTE** the screenshot in document **TASK B4**.

**RESAVE TASK B4**.

**PRINT TASK B4**.

(iii) Create links between the home page and the boats page.

(2)

**RESAVE INDEX** and **BOATS**.

**PRINT** the HTML code for both web pages.



### Task B4b

**OPEN** a new word processing document.

**ENTER** your name, candidate number and centre number in the header.

**SAVE** the document as **TASK B4b**.

Selvy has decided to change the home page.

Make these changes to the HTML code:

- font colour – black
- page title – italics.

(2)

**RESAVE INDEX.**

**TAKE** a screenshot of the new code.

**PASTE** the screenshot into the document **TASK B4b**.

**HIGHLIGHT** the screenshot to show where the changes were made.

**RESAVE TASK B4b.**

**DO NOT PRINT** at this stage.

### Task B4c

Answer this question on the document **TASK B4b**.

Give **two** reasons why organisations use a house style.

(2)

**RESAVE TASK B4b.**

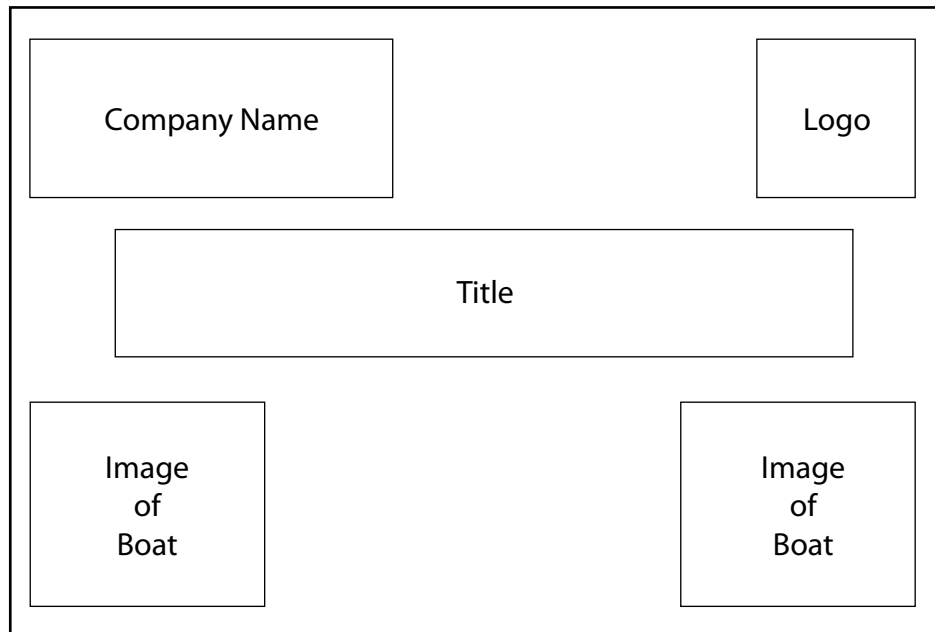
**PRINT TASK B4b.**

**(Total for Task B4 = 19 marks)**

## Task B5

Selvy is giving a presentation about her company at a conference.

This is the design for slide 1.



Selvy has started to produce slide 1. She has added:

- the company name and a title for the slide
- images from the **IMAGES** folder.

**OPEN** the presentation **CRUISE**.

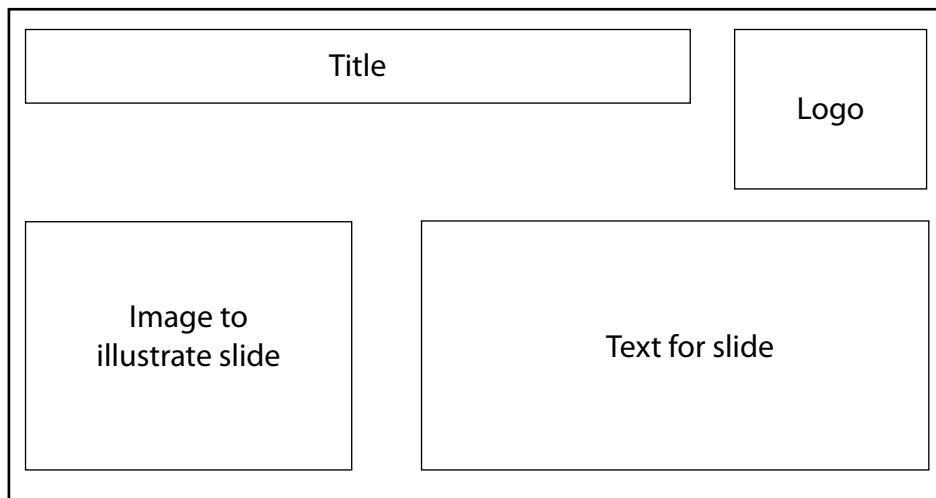
### Task B5a

(i) Make these changes to slide 1:

- insert the **ITSC LOGO** you created from **Task A1a** (1)
- change the company name to match the house style. (1)

(ii) Enter your name, candidate number and centre number in the centre of the slide footer. (1)

(iii) Create one slide about the islands and one slide about the harbour. Use this design for these two slides.



Each slide must:

- be fit for purpose
- include text from the **PRESENTATION** document
- include a suitable image from the **IMAGES** folder. (6)

**RESAVE** the presentation as **CRUISE**.

(iv) Print a **'handouts'** copy of the presentation that shows all three slides on **one** A4 sheet. (1)

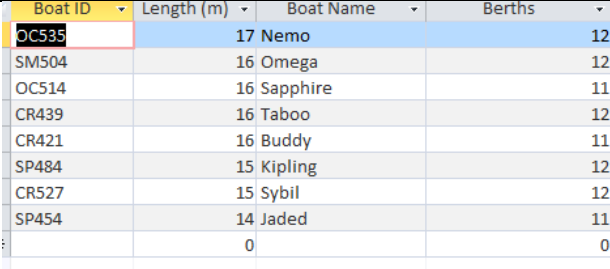

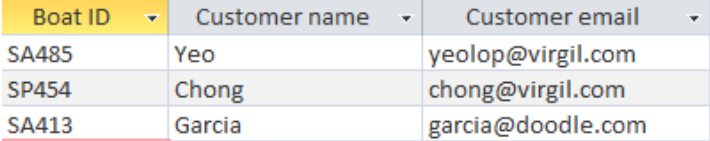
**(Total for Task B5 = 10 marks)**

**TOTAL FOR SECTION B = 60 MARKS**  
**TOTAL FOR PAPER = 100 MARKS**



Boat Hire SAM – MS

Task	Answer	Marks	AO																																																																																																																																																																																																								
<b>A1</b>	<b>Graphics</b>																																																																																																																																																																																																										
a	<p>Lines <b>and/or</b> shaded shapes (1)                      Represent a sailing boat (1)                      Include the company name or ITSC (1)</p> <p>Do not award the mark for line/shapes if image is not original.                      Ignore incorrect spelling.</p>	3	1																																																																																																																																																																																																								
b	<p><i>Explain one advantage of using a vector image rather than a bitmap image for a logo</i></p> <p>A vector image is created using co-ordinates which can be recalculated when resized (1) which means that it can be enlarged without loss of quality/distortion (1)</p>	2	3																																																																																																																																																																																																								
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a	<p>ITSC LOGO or a suitable image - must be positioned in the top right (1)                      Suitable title (1)                      Boat ID field width is set to 3cm <b>and</b> Length (m) 2cm (1)</p>	3	2																																																																																																																																																																																																								
b	<p>Data entry via form</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Boat ID</td> <td>OC456</td> </tr> <tr> <td>Boat Name</td> <td>Bernie</td> </tr> <tr> <td>Berths</td> <td>8</td> </tr> <tr> <td>Cabins</td> <td>4</td> </tr> <tr> <td>Heads</td> <td>2</td> </tr> <tr> <td>Length (m)</td> <td>10</td> </tr> <tr> <td>Skipper available</td> <td>No</td> </tr> <tr> <td>Style</td> <td>Classic</td> </tr> </table> <p>Award 2 marks for 8 correct entries                      Award 1 mark for 4 or more correct entries</p>	Boat ID	OC456	Boat Name	Bernie	Berths	8	Cabins	4	Heads	2	Length (m)	10	Skipper available	No	Style	Classic	2	2																																																																																																																																																																																								
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c	<p>Sort alphabetical order of BOAT ID</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Boat ID</th> <th>Boat Name</th> <th>Berths</th> <th>Cabins</th> <th>Heads</th> <th>Length(m)</th> <th>Skipper available</th> <th>Style</th> </tr> </thead> <tbody> <tr><td>CB421</td><td>Buddy</td><td>11</td><td>5</td><td>5</td><td>16</td><td><input checked="" type="checkbox"/></td><td>Premier Plus</td></tr> <tr><td>CB439</td><td>Taboo</td><td>12</td><td>5</td><td>5</td><td>16</td><td><input checked="" type="checkbox"/></td><td>Premier Plus</td></tr> <tr><td>CR327</td><td>Sylal</td><td>12</td><td>4</td><td>4</td><td>15</td><td><input checked="" type="checkbox"/></td><td>Premier Plus</td></tr> <tr><td>OC456</td><td>Bernie</td><td>7</td><td>5</td><td>4</td><td>9</td><td><input type="checkbox"/></td><td>Classic</td></tr> <tr><td>OC463</td><td>Hovy</td><td>10</td><td>5</td><td>5</td><td>15</td><td><input checked="" type="checkbox"/></td><td>Premier 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<p>d</p>	 <p>Correct fields 'shown' - Boat ID, Boat Name, Berths, Length (m) – in any order (1)</p> <p>Fields displayed in the correct order - Boat ID, Length (m), Boat Name, Berths (1)</p> <p>Length field sorted in descending order (1)</p>  <p>Correct 'criteria' row shown in design view (1)</p> <p>Correct 'or' row shown in design view (1)</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>2/3</p>
<p>e</p>	 <p>Report has a suitable title, including Week 27, Spain &amp; Singapore (1)</p> <p>ITSC LOGO or a suitable image - must be positioned in the top right (1)</p> <p>Correct 3 records (1)</p> <p>Shows BOAT ID, CUSTOMER NAME and CUSTOMER EMAIL (1)</p> <p>Column headings fully visible (1)</p> <p>Correct order (indicates correct ascending sort on COUNTRY) (1)</p> <p>Footer – company name – INTO THE SUNSET CRUISES (1)</p> <p>Correct spelling (report title and company name) and case (1)</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>2</p>
<p>F (i)</p> <p>(ii)</p> <p>(iii)</p>	<p><i>Explain the need for validation when creating a database.</i></p> <p>Less chance of errors (1) because the user can only select from a list of options rather than key in their own (1)</p> <p><i>Identify the type of relationship between the two tables</i></p> <p>One to many (1)</p> <p><i>State the name of the property that would be used as a presence check for the 'Customer email' field.</i></p> <p>'Validation Rule' or 'Required' (1)</p> <p><i>Give one reason why a presence check has not been used for the 'Customer email' field.</i></p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p>	<p>1/2</p>

	Customer may not have an email address / The form would not be able to be completed (1)	1	
	<b>Total for Task A2</b>	<b>24</b>	
	<b>Total for Database</b>	<b>24</b>	
<b>A3</b>	<b>Word processing</b>		
	Relax, Enjoy and Cruise formatted as a title	1	2
	Logo inserted (top right)	1	
	www.itsc.com Hyperlink must not be underlined	1	
	Bullets for the offers (appropriate use of bullets)	1	
	Two relevant images	1	
	Images and logo suitably sized, not distorted, in proportion	1	
	Include text from POSTER file	1	
	Table contains 7 columns with column headings <b>Insert the table as expected</b>	1	
	Table contains correct information relating to each new boat in each column	1	
	Appropriate formatting of the table	1	
	Fit for purpose – appropriate formatting of text, spelling, capitalisation, table is appropriate	1	
	<b>Total for Task A3</b>	<b>11</b>	
	<b>Total for Word Processing</b>	<b>11</b>	
	<b>Total for SECTION A</b>	<b>40</b>	
	<b>Spreadsheets</b>		
<b>B1a</b>			
(i)	Automatic date in footer (within exam window)	1	1
(ii)	Merge and centre row 1 (A1:O1)	1	
(iii)	Insert heading - 'Staff Payments – July' Case and spacing correct <b>If candidate doesn't insert header row allow follow through for all subsequent row numbers and cell references</b>	1	
(iv)	Formatting – font size - 24, font colour – white, cell shading – dark grey	1	
<b>B1b</b>			
(i)	Use of correct function (=VLOOKUP or =LOOKUP) in <b>either</b> column C or D (1) Use of correct lookup value (B3) in <b>either</b> column C or D (1) Use of correct table array (Details!A2:C5) / lookup vector (Details!A2:A5) in <b>either</b> column C or D (1) Use of <b>both</b> correct column index numbers (2 <b>and</b> 3) or use of <b>both</b> correct result vectors (Details!B2:B5 <b>and</b> Details!C2:C5) (1)  Examples: =VLOOKUP(B3,Details!\$A\$2:\$C\$5,2,0) =VLOOKUP(B3,Details!\$A\$2:\$C\$5,3,0)  =LOOKUP(B3,Details!A\$2:A\$5,Details!B\$2:B\$5) =LOOKUP(B3,Details!A\$2:A\$5,Details!C\$2:C\$5)  Allow named ranges and allow absence of final argument in VLOOKUP (0)	4	2/3
	J3 - Total hours per month =SUM(F3:I3)	1	

	Do not award a mark for =F3+G3+H3+I3 (not a function)		
	Use of function to calculate the overtime pay in L3 Example: =IF(K3>0,K3*C3*Details!\$B\$8,0)	1	
(ii)	E3 - Contracted pay per month =C3*D3	1	2/3
	K3 - Overtime hours =J3-D3	1	
	M3 - Gross pay =E3+L3	1	
	N3 - Tax =M3*Details!\$B\$7	1	
	O3 – Net pay =M3-N3	1	
(iii)	Replicate all functions and formulae for all other job titles Appropriate use of absolute cell referencing	1 1	
B1c	Currency showing £ with 2dp (columns C, E, L, M, N, O)	1	2/3
	Headings wrapped to use space efficiently	1	
	All data visible – cell contents, column headings	1	
	Row and column headers displayed	1	
	<b>Total for task B1</b>	<b>21</b>	

B2	Filtered to show Grade 2 and net pay only (4 entries)	1	2
	P7 - % overtime =K7*100/D7 Allow =K7/D7 if an attempt has been made to make it %	1	
	<b>Total for Task B2</b>	<b>2</b>	
B3	Suitable chart (e.g. bar chart) that is fit for purpose	1	2/3
a	Title (e.g. Percentage overtime) Job titles and values displayed	1 1	
b	Display job title, grade and net pay only (e.g. by hiding columns)	1	
c(i)	An explanation such as: <ul style="list-style-type: none"> <li>Fewer errors (when entering data as data already entered) (1) because data changed on one will automatically change on the other (1)</li> <li>Data can be grouped together (1) so that it is more readable/manageable (1)</li> </ul>	2	3
c(ii)	An explanation such as: To allow cell references to be replicated (1) so that cell references remain static (1)	2	
	<b>Total for Task B3</b>	<b>8</b>	
	<b>Total for spreadsheets</b>	<b>31</b>	
B4	<b>Web authoring</b>		
a(i)	<b>Ignore all spelling</b>  Background colour set to Aqua (#00FFFF) (1)	1	



	Set text colour to Navy (#000080) (1)	1	
	Company name 'INTO THE SUNSET CRUISES' included using <h1> (1)	1	2/3
	Logo top right (1)	1	
	Page title included using <h2> (1)	1	
	All four images used are relevant (1) (Name non appropriate images)	1	
	All four images resized in proportion (appear square) (1)	1	
	All four images are horizontally aligned (1)	1	
	Creating links-buttons (boats, cruises, visits) (1) Links do not have to work	1	
	Text from WEBPAGE document set as <p> (1)	1	
	Email link (mailto:Selvy@itsc.com) (1)	1	
	Home page matching the design (1)	1	
(ii)	Create BOATS.html with correct title (Boats) and replaced text (Page under construction)	1	1
(iii)	Link from home page to boats page (1)	1	1/2
	Link from boats page to home page (1)	1	
b	HTML/CSS changes: Colour change – black (#000000)	1	2
	Page title – italics	1	
c	Any two from: Consistency of design/layout between products (1) More recognisable as a brand (1) Time efficiency focus on content over design (1)	2	3
	<b>Total for Task B5</b>	<b>19</b>	
	<b>Total for web authoring</b>	<b>19</b>	
B5			
a(i)	Insert logo – top right (1)	1	1/2
	Company name correct case (Upper case) (1)	1	
(ii)	Candidate name, number and centre number in the footer (centre)	1	
(iii)	Correct and consistent layout (1), correct text (1) and a suitable image (1) in island slide <b>and</b> Harbour slide  Award up to 3 marks for fitness for purpose e.g. <ul style="list-style-type: none"> <li>• Bullets rather than paragraphs</li> <li>• Text enhancements – bold, italic, underline</li> <li>• Use of colour</li> </ul>	6	1/2
(iv)	3 slides on one page	1	
	<b>Total for Task B6</b>	<b>10</b>	
	<b>Total for presentation</b>	<b>10</b>	
	<b>Total for Section B</b>	<b>60</b>	
	<b>Total for paper</b>	<b>100</b>	

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