



Oxford Cambridge and RSA

Cambridge National

IT

R050/01: IT in the digital world

Level 1/2 Cambridge National Certificate/Award/Diploma

Mark Scheme for June 2025

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

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PREPARATION FOR MARKING**RM ASSESSOR**

1. Make sure that you have accessed and completed the relevant training packages for on-screen marking: *RM Assessor Online Training: OCR Essential Guide to Marking*.
2. Make sure that you have read and understood the mark scheme and the question paper for this unit. These are available in RM Assessor
3. Log-in to RM Assessor and mark the **required number** of practice responses (“scripts”) and the **required number** of standardisation responses.

MARKING

1. Mark strictly to the mark scheme.
2. Marks awarded must relate directly to the marking criteria.
3. The schedule of dates is very important. It is essential that you meet the RM Assessor 50% and 100% (traditional 40% Batch 1 and 100% Batch 2) deadlines. If you experience problems, you must contact your Team Leader (Supervisor) without delay.
4. If you are in any doubt about applying the mark scheme, consult your Team Leader by telephone, email or via the RM Assessor messaging system.
5. **Crossed-Out Responses**
Where a candidate has crossed out a response and provided a clear alternative then the crossed-out response is not marked. Where no alternative response has been provided, examiners may give candidates the benefit of the doubt and mark the crossed-out response where legible.

Rubric Error Responses – Optional Questions

Where candidates have a choice of question across a whole paper or a whole section and have provided more answers than required, then all responses are marked and the highest mark allowable within the rubric is given. Enter a mark for each question answered into RM Assessor, which will select the highest mark from those awarded. *(The underlying assumption is that the candidate has penalised themselves by attempting more questions than necessary in the time allowed.)*

Multiple-Choice Question Responses

When a multiple-choice question has only a single, correct response and a candidate provides two responses (even if one of these responses is correct), then no mark should be awarded (as it is not possible to determine which was the first response selected by the candidate).
When a question requires candidates to select more than one option/multiple options, then local marking arrangements need to ensure consistency of approach.

Contradictory Responses

When a candidate provides contradictory responses, then no mark should be awarded, even if one of the answers is correct.

Short Answer Questions (requiring only a list by way of a response, usually worth only one mark per response)

Where candidates are required to provide a set number of short answer responses then only the set number of responses should be marked. The response space should be marked from left to right on each line and then line by line until the required number of responses have been considered. The remaining responses should not then be marked. Examiners will have to apply judgement as to whether a 'second response' on a line is a development of the 'first response', rather than a separate, discrete response. *(The underlying assumption is that the candidate is attempting to hedge their bets and therefore getting undue benefit rather than engaging with the question and giving the most relevant/correct responses.)*

Short Answer Questions (requiring a more developed response, worth two or more marks)

If the candidates are required to provide a description of, say, three items or factors and four items or factors are provided, then mark on a similar basis – that is downwards (as it is unlikely in this situation that a candidate will provide more than one response in each section of the response space).

Longer Answer Questions (requiring a developed response)

Where candidates have provided two (or more) responses to a medium or high tariff question which only required a single (developed) response and not crossed out the first response, then only the first response should be marked. Examiners will need to apply professional judgement as to whether the second (or a subsequent) response is a 'new start' or simply a poorly expressed continuation of the first response.

6. Always check the pages (and additional objects if present) at the end of the response in case any answers have been continued there. If the candidate has continued an answer there, then add the annotation 'SEEN' to confirm that the work has been seen and mark any responses using the annotations in section 11.
7. There is a NR (**No Response**) option. Award NR (No Response):
 - if there is nothing written at all in the answer space
 - OR if there is a comment which does not in any way relate to the question (e.g., 'can't do', 'don't know')
 - OR if there is a mark (e.g., a dash, a question mark) which is not an attempt at the question.

Note: Award 0 marks – for an attempt that earns no credit (including copying out the question).













8. The RM Assessor **comments box** is used by your Team Leader to explain the marking of the practice responses. Please refer to these comments when checking your practice responses. **Do not use the comments box for any other reason.**
9. Assistant Examiners will send a brief report on the performance of candidates to their Team Leader (Supervisor) via email by the end of the marking period. The report should contain notes on particular strengths displayed as well as common errors or weaknesses. Constructive criticism of the question paper/mark scheme is also appreciated.

10. For answers marked by levels of response:

- a. **To determine the level** – start at the highest level and work down until you reach the level that matches the answer
- b. **To determine the mark within the level**, consider the following:

Descriptor	Award mark
On the borderline of this level and the one below	At bottom of level
Just enough achievement on balance for this level	Above bottom and either below middle or at middle of level (depending on number of marks available)
Meets the criteria but with some slight inconsistency	Above middle and either below top of level or at middle of level (depending on number of marks available)
Consistently meets the criteria for this level	At top of level

11. Annotations

Annotation	Meaning
	Tick
	Cross
	Blank page (mandatory for all units)
	Benefit of doubt
	Too vague
	Noted but no credit given
	Benefit of doubt not given
	Not answered question
	Level 3
	Level 2
	Level 1
	Repeat

12. Subject Specific Marking Instructions

INTRODUCTION

Your first task as an Examiner is to become thoroughly familiar with the material on which the examination depends. This material includes:

- the specification, especially the assessment objectives
- the question paper
- the mark scheme.

You should ensure that you have copies of these materials.

You should ensure also that you are familiar with the administrative procedures related to the marking process. These are set out in the OCR booklet Instructions for Examiners. If you are examining for the first time, please read carefully Appendix 5 Introduction to Script Marking: Notes for New Examiners.

Please ask for help or guidance whenever you need it. Your first point of contact is your Team Leader.

Question	Answer	Mark	Guidance
Section A			
1	<ul style="list-style-type: none"> • (A) Flowchart (1) 	1	Correct Answer Only (CAO)
2	<p>One from:</p> <ul style="list-style-type: none"> • (Display/Screen) size (1) • (Display/Screen) type (1) • Input device (1) • Memory (1) • Output device (1) • Processing power/Processor (1) • Resource (1) • Award credit for any other suitable response 	1	<p>Accept alternative wording</p> <p>Accept examples e.g.</p> <ul style="list-style-type: none"> • LCD • Touchscreen • Microphone • RAM • Speaker
3	<p>One from:</p> <ul style="list-style-type: none"> • Database (1) • Spreadsheet (1) • Inventory management (1) • Award credit for any other suitable response 	1	<p>Accept alternative wording</p> <p>Accept brand names e.g.:</p> <ul style="list-style-type: none"> • Excel • Google sheets • Access • Sortly • QuickBooks <p>Do not accept:</p> <ul style="list-style-type: none"> • Suites e.g. Google Workspace, Office 365, = TV
4	<ul style="list-style-type: none"> • Manual checking (1) • Double entry (1) 	2	Order not relevant

Question	Answer	Mark	Guidance
Section A			
5	<p>Two from:</p> <ul style="list-style-type: none"> • (Portable/external) Hard <u>Drive</u> / HDD (1) • (Portable/external) Solid-State <u>Drive</u> / SSD (1) • Network-attached storage / NAS (1) • Portable Wireless <u>drive</u> (1) • (External) Optical <u>drive</u> (1) • (External) RAID array (1) • Award credit for any other suitable response 	2	<p>Accept alternative wording</p> <p>Do not accept:</p> <ul style="list-style-type: none"> • USB flash drive/stick drive/memory stick • Media type e.g. <ul style="list-style-type: none"> ○ CD ○ Memory card ○ DVD
6	<ul style="list-style-type: none"> • Length Check (1) • Input mask (1) • Format check (1) 	1	
7	<ul style="list-style-type: none"> • 2 / Two - Factor Authentication (1) • 2/Two factor authorisation (1) 	1	Accept equivalent wording/spelling
8	<ul style="list-style-type: none"> • Adware (1) • Ransomware (1) 	1	
9	<ul style="list-style-type: none"> • Health & Safety at Work (Act) (1) • Health and Safety (Display Screen Equipment) Regs (1) 	1	Accept equivalent wording

<p>10</p>		<p>One from:</p> <ul style="list-style-type: none"> • To communicate <u>using the internet/online</u> (1) • Real-time audio over <u>the internet/online</u> (1) • Video calls on <u>the internet/online</u> (1) • Voice calls over <u>the internet/online</u> (1) • To talk over <u>the internet/online</u> (1) • A meeting on <u>the internet/online</u> (1) • Transmit sound (1) <u>over the internet/online</u> (1) • Award credit for any other suitable response 	<p>1</p>	<p>Do not accept</p> <ul style="list-style-type: none"> • Brand names in isolation
<p>11</p>		<ul style="list-style-type: none"> • (A) Accessibility (1) 	<p>1</p>	<p>Correct Answer Only (CAO)</p>
<p>12</p>		<ul style="list-style-type: none"> • D2D - Laptop wirelessly sending instructions to a printer (1) • H2D - Interaction with a digital assistant (1) <div data-bbox="465 799 1227 1134" data-label="Diagram"> </div>	<p>2</p>	<p>Two lines from/to one box = TV</p>

Question	Answer	Mark	Guidance	
Section B – Fitness Tracker				
13	(a)	<p>An explanation of the purpose of the HCI on the fitness device:</p> <ul style="list-style-type: none"> • To navigate (1) • Their music/messages (1) • To see/monitor (1) • The steps taken (1) • To show (1) • The training program (1) • To provide access (1) • To data on the device (1) • To allow interaction (1) • To configure the display (1) • Award credit for any other suitable response 	2	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for action <p>AND/OR</p> <ul style="list-style-type: none"> • One mark for reasoning in context <p><i>NB: question does not ask for only one, response may include two actions that demonstrate the purpose</i></p> <p>Accept equivalent wording</p>
13	(b)	<p>Up to two marks for each explained disadvantage of having a HCI within the wearable fitness device:</p> <ul style="list-style-type: none"> • Data shown may be inaccurate (1) • Leading to poor decisions (1) • Dirty screen (1) • Cannot see data/input incorrect (1) • HCI requires memory/storage (1) • Which the tracker has a limited amount of (1) • Can drain battery quickly (1) • As display always on/ translating data (1) • May be difficult to set up (1) • So not used fully (1) 	4	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for disadvantage of HCI <p>AND/OR</p> <ul style="list-style-type: none"> • One mark for context linked <p>Accept equivalent wording</p>

Question			Answer	Mark	Guidance
			<ul style="list-style-type: none"> • Turns off randomly/hit/knocked off (1) • So is inconvenient (1) • Cluttered screen (1) • Causing confusion for user (1) • Small screen (1) • Restricting view/options seen (1) • May not be able to touch screen/disability (1) • So cannot interact with HCI (1) • May increase weight of device (1) • Due to screen/number of buttons/battery size (1) • HCI increases cost of device (1) • So may impact sales (1) • Award credit for any other suitable response 		<p>Do not accept:</p> <ul style="list-style-type: none"> • Could lose it- that's the fitness tracker not the HCI • Can be tracked/followed- that is not the HCI
13	(c)		<p>One from:</p> <ul style="list-style-type: none"> • Gesture/Movement (1) • Voice/audio/hearing (1) • Haptic (1) 	1	<p>Accept equivalent wording</p> <p>Do not accept</p> <ul style="list-style-type: none"> • Touch • Buttons

14	(a)	<p>Up to two marks for each explained disadvantages to a user of using the website to view their personal fitness information:</p> <ul style="list-style-type: none"> • If there is no internet connection/WIFI access (1) • The website/fitness data cannot be accessed (1) • Need a (different) device (1) • That can access the website/data (1) • Website goes offline/ unavailable (1) • Cannot see data (1) • More time consuming to access (1) • Rather than on the fitness device/an app on phone (1) • If the user has forgotten their log-in details, they may be locked out of their account (1) • Meaning they have to request replacement details taking time (1) • A website is more vulnerable to cyber-attacks / hacking / dos (1) • Meaning users are at a greater risk of identity theft / fraud (1) • A fake website can be created by attackers (1) • Meaning users can input their personal details into a fake website leading to increased risk of identity theft / fraud (1) • The users have limited control of how their personal fitness data is used (1) • Meaning it could be sold to a 3rd party without their knowledge (1) • Incorrect/incomplete/not up to date data on website (1) • So not seeing true picture of progress (1) • Award credit for any other suitable response 	4	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for disadvantage to user <p>AND/OR</p> <ul style="list-style-type: none"> • One mark for access to website/view data <p>Accept equivalent wording</p>
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14	(b)	<p>Up to two marks for a difference between data and information:</p> <ul style="list-style-type: none"> • Information is processed (1) data is not/ its raw (1) • Information has context (1) data does not (1) • Data is raw facts (1) information has meaning/understanding (1) • Information is the structured facts / figures / numbers / words (1) data has no structure/meaning (1) • Data is numbers that do not make sense (1) information is words/numbers that make sense (1) • Award credit for any other suitable response 	2	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for saying what data is <p>AND/OR</p> <ul style="list-style-type: none"> • One mark saying what information is <p>Accept equivalent wording</p>						
14	(c)	<table border="1" data-bbox="371 847 1249 979"> <thead> <tr> <th>Space</th> <th>Answer</th> </tr> </thead> <tbody> <tr> <td>1st</td> <td>accuracy (1)</td> </tr> <tr> <td>2nd</td> <td>processing (1)</td> </tr> </tbody> </table>	Space	Answer	1 st	accuracy (1)	2 nd	processing (1)	2	Correct order only
Space	Answer									
1 st	accuracy (1)									
2 nd	processing (1)									

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14	(d)	<p>If the response is not a wireframe/visualisation diagram = NAQ</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #cccccc;"> <th colspan="2">Layout</th> <th rowspan="4" style="font-size: 2em; vertical-align: middle;">+</th> <th colspan="2">Content</th> <th rowspan="4" style="font-size: 2em; vertical-align: middle;">=</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="width: 10%;">4 marks</td> <td style="width: 30%;">Wholly relevant layout for an individual homepage</td> <td style="width: 10%;">4 marks</td> <td style="width: 10%;">All content relevant</td> <td style="width: 10%;"></td> <td style="width: 20%;">Level 3: 7 or 8 marks</td> </tr> <tr> <td>3 marks</td> <td>Mostly suitable layout for an individual homepage</td> <td>3 marks</td> <td>Most content relevant</td> <td></td> <td>Level 2: 4 - 6 marks</td> </tr> <tr> <td>2 marks</td> <td>Simplistic layout/visualisation applied to an individual homepage</td> <td>2 marks</td> <td>Some content relevant</td> <td></td> <td rowspan="2">Level 1: 1- 3 marks</td> </tr> <tr> <td>1 mark</td> <td>Simplistic layout/visualisation not suitable for an individual homepage</td> <td>1 mark</td> <td>Limited content relevant</td> <td></td> </tr> </tbody> </table> <p>0 marks – no work worthy of credit</p>	Layout		+	Content		=	Total	4 marks	Wholly relevant layout for an individual homepage	4 marks	All content relevant		Level 3: 7 or 8 marks	3 marks	Mostly suitable layout for an individual homepage	3 marks	Most content relevant		Level 2: 4 - 6 marks	2 marks	Simplistic layout/visualisation applied to an individual homepage	2 marks	Some content relevant		Level 1: 1- 3 marks	1 mark	Simplistic layout/visualisation not suitable for an individual homepage	1 mark	Limited content relevant		8	<p>Mark layout and content separately and add marks together to get level and total mark for question.</p> <p>Indicative content:</p> <p>Layout</p> <ul style="list-style-type: none"> • Components of wireframe <ul style="list-style-type: none"> ○ Indication of images/logo ○ Indications of interactions ○ Indications of links/navigation ○ Indications of text location ○ Use of whitespace • Annotations <ul style="list-style-type: none"> ○ Buttons for navigation ○ Colour scheme/house style ○ Error/Help messages • Suitability for webpage/ homepage layout <p>Content</p> <ul style="list-style-type: none"> • Name and Photograph • Number of steps taken that day • Active minutes taken that day • Amount of sleep that day
Layout		+	Content			=	Total																											
4 marks	Wholly relevant layout for an individual homepage		4 marks	All content relevant					Level 3: 7 or 8 marks																									
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1 mark	Simplistic layout/visualisation not suitable for an individual homepage	1 mark	Limited content relevant																															

15	Valid email address		9	Do not award marks for justification is no valid test data entered 1st mark <ul style="list-style-type: none"> for suitable test data Marks 2 and 3 <ul style="list-style-type: none"> justification in context Justification must apply to the test data stated. Accept equivalent wording
	Test data	Justification		
	One from: <ul style="list-style-type: none"> Hiro@OBG.com (1st) NinaLing.com (1st) Null value/Field left blank/no data entered (1st) Award credit for any other suitable response 	Two from: <ul style="list-style-type: none"> Format check (1) So that it contains an @/uk/com (1). Valid/erroneous data (1) Used to check system accepts/rejects entry (1) Award credit for any other suitable response 		
	Valid (1 st)	Two from: <ul style="list-style-type: none"> Checks that the email formatted correctly (1) And the system accepts entry (1) Award credit for any other suitable response 		
Erroneous /Invalid (1 st)	Two from: <ul style="list-style-type: none"> Checks that if email formatted correctly (1) And the system rejects entry (1) Award credit for any other suitable response 			

<i>Password set up correctly</i>	
Test data	Justification
One from: <ul style="list-style-type: none"> • 124GH8bob (1st) • Sundip7 (1st) • Null value/Field left blank/no data entered (1st) • Award credit for any other suitable response 	Two from: <ul style="list-style-type: none"> • Length check (1) • So that it contains the minimum number of characters (1). • Data format (1) • That it contains a mix of numbers/upper case/lower case/symbols (1). • Valid/erroneous/extreme data (1) • Used to check system accepts/rejects entry (1) • Award credit for any other suitable response
Valid (1 st)	Two from: <ul style="list-style-type: none"> • Checks that the password set up correctly (1) • And the system accepts entry (1) • Award credit for any other suitable response
Erroneous /Invalid (1 st)	Two from: <ul style="list-style-type: none"> • Checks that if password set up correctly (1) • And the system rejects entry (1) • Award credit for any other suitable response
Extreme/Boundary (1 st)	Two from: <ul style="list-style-type: none"> • Set to only include 8 characters (1) • And the system accepts it (1) • Award credit for any other suitable response

<i>Valid username has been entered</i>	
Test data	Justification
<p>One from:</p> <ul style="list-style-type: none"> ○ Null value/Field left blank/no data entered (1st) • Me (1st) • ItsMe (1st) • NorRepz (1st) • Valid username (1st) • Award credit for any other suitable response 	<p>Two from:</p> <ul style="list-style-type: none"> • Presence check (1) • A username has been entered (1) • Checks if used before (1) • If has been its denied (1) • Error message (1) • Should appear if there is no data present (1). • Valid/erroneous/extreme data (1) • Used to check system accepts/rejects entry (1) • Award credit for any other suitable response
Valid (1 st)	<p>Two from:</p> <ul style="list-style-type: none"> • Checks that the username set up correctly (1) • Checks username not used already (1) • And the system accepts/rejects entry (1) • Award credit for any other suitable response
Erroneous /Invalid (1 st)	<p>Two from:</p> <ul style="list-style-type: none"> • Checks that if username has is allowed (1) • And the system rejects entry if not (1) • Award credit for any other suitable response
Extreme/Boundary (1 st)	<p>Two from:</p> <ul style="list-style-type: none"> • Checks that if username has min of 5 characters (1)

			<ul style="list-style-type: none"> • And the system rejects entry (1) • Award credit for any other suitable response 		
16	(a)		<p>Two from:</p> <ul style="list-style-type: none"> • Built-in wi-fi access/wireless connection/can connect to internet (1) • Multifunctional (1) • On-screen keyboard (1) • Touchscreen (1) • Works with apps/browsers (1) • Has antivirus (1) • Award credit for any other suitable response. 	2	<p>Accept equivalent wording</p> <p>Do not accept</p> <ul style="list-style-type: none"> ○ Portability/use anywhere
16	(b)	(i)	<p>Up to two marks for one explanation of how a username / password will keep the information secure:</p> <ul style="list-style-type: none"> • Need username and password to be correct (1) • Else will not be able to access the data (1) • Chances of knowing both a username and password are low (1) • So, chances of accessing the data are reduced (1) • Enter correct username and password (1) • To access the data (1) • Username/password combination checked on system (1) • And do not allow access if not correct (1) • Cannot access information (1) 	2	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for how username & password combine <p>AND/OR</p> <ul style="list-style-type: none"> • One mark for how information protected <p>Accept equivalent wording</p>

			<ul style="list-style-type: none">• If don't have/know both (1)• Award credit for any other suitable response.		
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16	(b)	(ii)	2	<p>Accept equivalent wording</p> <p>Do not accept</p> <ul style="list-style-type: none"> ○ Email on its own
17	(a)	<p>Up to two marks for one explanation of advantage to the registered users of the manufacturer using an online survey to collect their information:</p> <ul style="list-style-type: none"> • Can be accessed from any location / on any device (1) • So, users can respond when convenient (1). • The survey can be quicker to complete than other collection methods (1) • So registered users are more likely to complete the survey (1). • The survey can be anonymous (1) • So registered users can be honest and provide frank feedback to the fitness tracker manufacturer (1). • The survey can be accessed by users who have accessibility issues (1) • Meaning that their own devices / accessible adaptive technology can be used (1). 	2	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for advantage identified <p>AND/OR</p> <ul style="list-style-type: none"> • One mark for expansion in context <p>Accept equivalent wording</p> <p>Do not accept</p> <ul style="list-style-type: none"> ○ Easy to access- TV

		<ul style="list-style-type: none"> • The survey can include a range of elements / graphics / videos (1) • Meaning users can be asked their opinion about a range of topic areas (1). • Improvements can be made to the device (1) • So, user gets a better product (1) • It allows user to give their opinion (1) • So, feel part of a community/health family (1) • Registered users will not need to register again (1) • as they already on system so its quicker (1) • Award credit for any other suitable response 		
17	(b)	<p>Up to two marks for each description of actions that could be taken to comply with the CD&P Act:</p> <ul style="list-style-type: none"> • Check if copyrighted (1) • Get permission to use if they are (1) • Ask/contact the image copyright owners/websites (1) • For permission (1). • Must acknowledge/tag/credit (1) • Image owner/creator/source (1) • Select copyright free images (1) • To use without permission (1) • Award credit for any other suitable response. 	4	<p>Read whole response and award:</p> <ul style="list-style-type: none"> • One mark for action <p>AND/OR</p> <ul style="list-style-type: none"> • One mark for reasoning. <p>Accept equivalent wording</p> <p>Do not accept</p> <ul style="list-style-type: none"> ○ Take own images

17	(c)	<p>Two from:</p> <ul style="list-style-type: none">• Cannot access the data (1)• Compliance with legislation/regulations (1)• Data could be deleted/edited (1)• Expense of hiring location (1)• Lack of control over data in storage (1)• Need internet to access (1)• Risk of data being hacked/breached (1)• Service outage (1)• Award credit for any other suitable response.	2	Accept equivalent wording
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18	<p>Indicative content:</p> <p>Purpose of the IOE:</p> <ul style="list-style-type: none"> To connect devices together To share/interact and analyse data from different people/devices/locations Award credit for any other suitable response <p>Advantages of IOE:</p> <ul style="list-style-type: none"> Sleep patterns/stress levels can be monitored to aid a person's health/fitness Personal fitness trainer can spot real time trends in body systems Personal fitness trainer can provide exercise guidance based on data over time Personal fitness trainer can track progress with long term injury recovery due to data received Personal fitness trainer can track real time progress with fitness plan Guided programs can be provided and set up and uploaded to tracker Award credit for any other suitable response <p>Disadvantages of IOE:</p> <ul style="list-style-type: none"> The IoE infrastructure, e.g. reliable high-speed internet, may be lacking for example in rural areas. This can limit the effectiveness of IoE when exercising outside. The IoE can be vulnerable to cyberattacks. The interconnected devices can be at an increased risk of hacking which can exploit sensitive data. 	<p>9</p> <p>Level 3 (high): 7-9 marks A thorough discussion which shows detailed understanding:</p> <ul style="list-style-type: none"> Detailed knowledge and understanding that explains the purpose of the IoE At least one advantage of using the IoE to share health data with fitness trainer is explained At least one disadvantage of using the IoE to share health data with fitness trainer is explained Relevant and appropriate examples are given. Consistently used appropriate terminology. <p>Level 2 (mid): 4-6 marks An adequate discussion which shows sound understanding:</p> <ul style="list-style-type: none"> Sound knowledge and understanding that describes the purpose of the IoE. Describes at least one advantage and/or one disadvantage of using the IoE to share health data with fitness trainer Some use of appropriate terminology. <p>Level 1 (low): 1-3 marks A brief discussion which shows limited understanding:</p> <ul style="list-style-type: none"> Limited knowledge and understanding of the purpose of the IoE. Few advantage(s) or disadvantage(s) are identified. Little or no use of appropriate terminology. <p>0 marks No response worthy of credit</p>
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		<ul style="list-style-type: none">• Too much data / information may be collected meaning it can take time to find relevant information required by the fitness trainer• Some of the data may not be accurate/correct leading to wrong fitness assessment• Data could be passed on to other organisations• Increased stress levels/loss of enjoyment in user if know being continually monitored/watched by personal fitness trainer• Award credit for any other suitable response		
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