MODULE R EXAM TECHNIQUE · R3

Command words and what they are asking for

Original practice questions · 20 marks · ~25 minutes · Cambridge 0478 syllabus command words table, 1.1.1, 1.3.2, 2.1.2, 2.2.2, 3.1.2, 3.2.1, 5.3.1, 5.3.2, 6.1.2

Name _____ Date _____

Instructions. Answer all questions in the spaces provided. The marks for each part are shown in brackets [ ]. Before you write, find the command word in each question and ask yourself what kind of answer it wants. The total for this worksheet is **20 marks**.

1

Total: 4 marks

Here are five meanings of command words used in Cambridge IGCSE exams.

A. Set out purposes or reasons; say why and/or how, and support it with relevant evidence.
B. Identify or comment on similarities and/or differences.
C. Give the precise meaning.
D. Apply knowledge to a situation where there is a range of valid responses, to make proposals.
E. State the points of a topic; give its characteristics and main features.

Write the letter (**A** to **E**) of the meaning that matches each command word. Each letter may be used once or not at all. **[4]**

Command word	Letter
Define	
Describe	
Explain	
Suggest	

2 **Total: 4 marks**

You do **not** need to answer the four exam questions below. Read each one, find its command word, and decide what kind of answer it is asking for.

Tick (✓) **one** box in each row. **[4]**

Exam question	A short answer: a name, value or fact, with no explanation	The main features or steps (reasons not needed)	An answer that gives reasons (why and/or how)
Explain why computers use binary to represent data.			
Give **one** example of an input device.			
Describe how an odd parity check is used to find errors in data after transmission.			
Identify the register that holds the address of the next instruction to be fetched.			

3 **Total: 4 marks**

Staff at an insurance company receive many emails each day. Parts (a) and (b) are on the same topic. Notice how the command word changes what you need to write.

(a) Describe phishing. **[2]**

(b) Explain how checking the URL attached to a link in an email can help the staff keep data safe from phishing. **[2]**

4 **Total: 3 marks**

An exam question says: **"Compare half-duplex and full-duplex data transmission."** This answer was written for it:

> *"Full-duplex data transmission lets data travel in both directions at the same time."*

(a) State why this answer does not do what the command word **Compare** asks for. **[1]**

(b) Write **two** further points that would improve the answer. Each point must refer to **both** half-duplex and full-duplex. **[2]**

1

2

5 **Total: 3 marks**

A fruit farm plans to use an automated system to control the watering of its trees. Sensors measure the soil, a microprocessor decides when water is needed, and actuators open and close the water valves.

Suggest **three** advantages to the farm of using this automated system. **[3]**

1

2

3

6 **Total: 2 marks**

An image has a resolution of 128 × 64 pixels and a colour depth of 16 bits.

Calculate the file size of the image in kibibytes (KiB). Show all your working. **[2]**

Answer: ..... KiB

Total for this worksheet: 20 marks