MODULE R EXAM TECHNIQUE · R1

How OCR J277 Paper 1 and Paper 2 are structured

Original practice questions · 22 marks · ~25 minutes · OCR J277 specification sections 2a, 3a, 3b, 3i, 3j, 3n

Name _____ Date _____

Instructions. Answer all questions in the spaces provided. The marks for each part are shown in brackets [ ]. The total for this worksheet is **22 marks**. Facts are from the OCR J277 specification, version 3.1, as at November 2026.

1

Total: 3 marks

(a) Tick (✓) **one** box in each row to show whether each statement about the J277 exams is true or false. **[3]**

Statement	True	False
A calculator may be used in Paper 2 (J277/02)		
Every question on both papers must be answered		
Someone retaking the GCSE can choose to retake only the paper they scored lower on		

2

Total: 5 marks

(a) Complete the description of the two papers using words or numbers from the list. Not all of them are used. **[5]**

8	15	30	50	75	80
a high-level language		flowcharts		OCR Exam Reference Language	

Paper 1 (J277/01), Computer systems, is worth ..... marks. Most of its questions are short or medium answer, but it also has one .....-mark extended response question.

Paper 2 (J277/02) has two sections. Section A is worth ..... marks and Section B is worth ..... marks.

Any program code printed in the question papers is shown in ..... .

3 Total: 4 marks

(a) Tick (✓) **one** box in each row to show which paper each task would be assessed on. **[4]**

Task	Paper 1 (J277/01)	Paper 2 (J277/02)
Converting a binary number to hexadecimal		
Completing a logic diagram that uses AND, OR and NOT gates		
Describing the differences between a compiler and an interpreter		
Describing how a firewall helps to protect a network		

4 Total: 5 marks

A question in **Section B** of Paper 2 says: "Write a program that asks for the price of a ticket and outputs the price after a 10% discount."
Three different responses to this question are described below.

(a) Tick (✓) **one** box in each row to show whether each response **can** or **cannot** be awarded marks. **[3]**

Response	Can be awarded marks	Cannot be awarded marks

Response P: a correct program written in a high-level language, with one closing bracket missing
`price = float(input("Price: ")`
`print(price * 0.9)`		

Response Q: three numbered steps written in plain English		
Response R: a correct flowchart with an input box, a process box and an output box		

(b) Response Q could be awarded marks if the same task were set in **Section A** of Paper 2. **[2]**
Explain why.

5 **Total: 2 marks**

An adult taking the GCSE at an evening class scores 58 marks on Paper 1 and 54 marks on Paper 2. Their overall grade is worked out from the total of their marks on the two papers.

(a) Calculate their total mark as a percentage of the total marks available for the GCSE. **[2]**
Show your working.

Answer: ..... %

6 **Total: 3 marks**

(a) A revision website says: "Paper 2 is a programming exam, so the only way to revise for it is to practise writing code."
Explain why this advice is **not** correct. **[3]**

Total for this worksheet: 22 marks