

Answer Key & Explanations

Academic Reading Paper 07 — Glass, Maps and Ruins

Mark your answer sheet before you read this

HOW TO USE THIS

- Mark one point for each correct answer. Spelling must be correct.
- Convert your total with the band table on the next page.
- Then read the explanation for **every** question you got wrong, and for every one you guessed. The explanation names the mechanism the wrong answer was built on.

The band figure is an estimate. A real paper is pre-tested on thousands of candidates and these have not been, so read the band as a position, not a prediction.

Q	Answer	Code	Mechanism	Where
1	manganese dioxide / manganese	R	Straight retrieval — no trap	Paragraph 2.
2	purple	E2	Answer sits after its own distractor	Paragraph 2.
3	Murano	R	Straight retrieval — no trap	Paragraph 3.
4	plant ash	D1	Statement moved from another paragraph	Paragraph 3.
5	lead oxide / lead	R	Straight retrieval — no trap	Paragraph 4.
6	tin	F2	Word limit decides which words are the answer	Paragraph 6.
7	TRUE	R	Straight retrieval — no trap	Paragraph 1.
8	FALSE	A7	Time relation reversed	Paragraphs 2 and 3.
9	TRUE	A1	Quantity re-attached to another noun	Paragraph 6.
10	NOT GIVEN	B2	Adjacent proposition on the same subject	Paragraph 3.
11	TRUE	R	Straight retrieval — no trap	Paragraph 4.
12	FALSE	A3	Category swap inside a pair the passage keeps apart	Paragraphs 5 and 6.
13	NOT GIVEN	B2	Adjacent proposition on the same subject	Paragraph 4.
14	i	E4	Minimal-pair options	Section A.
15	iii	E4	Minimal-pair options	Section B.
16	iv	E4	Minimal-pair options	Section C.
17	v	E4	Minimal-pair options	Section D.
18	vii	R	Straight retrieval — no trap	Section F.
19	ix	R	Straight retrieval — no trap	Section H.
20	A	R	Straight retrieval — no trap	Section B.

Q	Answer	Code	Mechanism	Where
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21	B	R	Straight retrieval — no trap	Section C.
22	C	D2	Intermediate actor named beside the originator	Section D.
23	D	R	Straight retrieval — no trap	Section F.
24	A	A1	Quantity re-attached to another noun	Section E.
25	B	D1	Statement moved from another paragraph	Section C.
26	B	C2	The extreme version the writer explicitly refused	Section G.
27	NO	C1	Overstatement — hedge removed	Paragraph 5.
28	NO	C2	The extreme version the writer explicitly refused	Paragraphs 3 and 6.
29	NOT GIVEN	B2	Adjacent proposition on the same subject	Paragraph 2.
30	YES	R	Straight retrieval — no trap	Paragraph 6.
31	NOT GIVEN	B2	Adjacent proposition on the same subject	Paragraphs 6 and 7.
32	YES	R	Straight retrieval — no trap	Paragraph 8.
33	A	R	Straight retrieval — no trap	Paragraph 2.
34	B	R	Straight retrieval — no trap	Paragraph 3.
35	C	C2	The extreme version the writer explicitly refused	Paragraphs 1 and 4.
36	D	D1	Statement moved from another paragraph	Paragraph 7.
37	A	R	Straight retrieval — no trap	Paragraph 3.
38	B	E4	Minimal-pair options	Paragraph 4.
39	G	R	Straight retrieval — no trap	Paragraph 5.
40	E	E4	Minimal-pair options	Paragraph 7.

Score to band

Raw score out of 40	Estimated band
39–40	9
37–38	8.5
35–36	8
33–34	7.5
30–32	7
27–29	6.5
23–26	6
19–22	5.5
15–18	5
13–14	4.5
10–12	4
8–9	3.5
6–7	3
4–5	2.5

Questions 1–6

- 1 **manganese dioxide / manganese** · Paragraph 2.

'Adding a small quantity of **manganese dioxide** to the melt'. Either the full name or the metal is accepted.

Mechanism R — Straight retrieval — no trap

- 2 **purple** · Paragraph 2.

'too much and the glass turns faintly **purple**'. The green that comes from too little is offered first in the same sentence.

Mechanism E2 — Answer sits after its own distractor

- 3 **Murano** · Paragraph 3.

'moved to the island of **Murano**'.

Mechanism R — Straight retrieval — no trap

- 4 **plant ash** · Paragraph 3.

'made with purified **plant ash** imported from Spain and the Levant'. Manganese is also in the sentence, but it is the correction rather than the imported ingredient.

Mechanism D1 — Statement moved from another paragraph

- 5 **lead oxide / lead** · Paragraph 4.

'added **lead oxide** to the batch'.

Mechanism R — Straight retrieval — no trap

- 6 **tin** · Paragraph 6.

'pouring the molten glass onto a bath of molten **tin**'. One word, and the limit rules out writing the whole phrase.

Mechanism F2 — Word limit decides which words are the answer

Questions 7–13

- 7 **TRUE** · Paragraph 1.

'Ordinary sand carries iron oxide as an impurity' — an impurity is by definition not added on purpose.

Mechanism R — Straight retrieval — no trap

- 8 **FALSE** · Paragraphs 2 and 3.

'Roman glassmakers knew this' — Venice refined the judgement, it did not discover the effect. The date attaches to Barovier's *cristallo*, not to the chemistry.

Mechanism A7 — Time relation reversed

9 TRUE · Paragraph 6.

'seven years and something like seven million pounds'. Both sevens are in one sentence and attach to different things; this item happens to ask about the right one.

Mechanism A1 — Quantity re-attached to another noun

10 NOT GIVEN · Paragraph 3.

The passage says they 'could not easily leave' and gives the official reason for the move as fire risk. What was done to anyone who did leave is never mentioned, though the sentence is written so that a reader supplies it.

Mechanism B2 — Adjacent proposition on the same subject

11 TRUE · Paragraph 4.

It 'defeats anybody wanting to cut a pattern into a heavy surface', because it is soft and cools quickly.

Mechanism R — Straight retrieval — no trap

12 FALSE · Paragraphs 5 and 6.

The whole point is that 'glass that arrives flat does not need to be ground at all'. The statement takes the older casting method and attaches it to the new one.

Mechanism A3 — Category swap inside a pair the passage keeps apart

13 NOT GIVEN · Paragraph 4.

The passage compares the two on weight, cooling, cutting and optical behaviour, and never on cost. Four comparisons are made and a fifth is not.

Mechanism B2 — Adjacent proposition on the same subject

Questions 14–19

14 i · Section A.

A remembered sequence of moves against a representation of the place. *ii* keeps the sentence shape and changes the noun to something the section never discusses.

Mechanism E4 — Minimal-pair options

15 iii · Section B.

Place cells: 'they were responding to a position'. *iv* belongs to the grid cells in the next section.

Mechanism E4 — Minimal-pair options

16 iv · Section C.

Grid cells supply 'a way of measuring how far the animal has moved in what direction'.

Mechanism E4 — Minimal-pair options

17 v · Section D.

'None of these is a map on its own.' *vi* states the opposite of the section's own sentence, which is what makes the pair work.

Mechanism E4 — Minimal-pair options

18 vii · Section E.

The trainee study exists to answer the reverse reading — that big hippocampi cause success rather than follow from it.

Mechanism R — Straight retrieval — no trap

19 ix · Section H.

Losing your way read as damage to a mapping system rather than as ordinary forgetfulness.

Mechanism R — Straight retrieval — no trap

Questions 20–23

20 A · Section B.

O'Keefe's place cells, 1971.

Mechanism R — Straight retrieval — no trap

21 B · Section C.

The Mosers' grid cells, 2005.

Mechanism R — Straight retrieval — no trap

22 C · Section D.

Ranck's head-direction cells. The Mosers are the tempting answer because their section immediately precedes it and also concerns direction — but direction independent of place is Ranck's finding.

Mechanism D2 — Intermediate actor named beside the originator

23 D · Section F.

Maguire's longitudinal study of taxi trainees.

Mechanism R — Straight retrieval — no trap

Questions 24–26

24 A · Section E.

'memorising some twenty-five thousand streets and the routes between them'. B moves the figure onto the routes; C and D take the three or four years and make them attempts and routes.

Mechanism A1 — Quantity re-attached to another noun

25 B · Section C.

'a map needs a measure of distance and direction as well as a set of positions'. A describes the grid cell, and C is denied outright in the previous section.

Mechanism D1 — Statement moved from another paragraph

26 B · Section G.

'not the discovery of one cell type but the assembly of a system'. A is exactly what the sentence rules out.

Mechanism C2 — The extreme version the writer explicitly refused

Questions 27–32

27 NO · Paragraph 5.

'It did not abolish the older criterion. It demoted it from the definition to one item on a list.' The two sentences exist to catch exactly this overstatement.

Mechanism C1 — Overstatement — hedge removed

28 NO · Paragraphs 3 and 6.

'The Venice Charter's rigidity was doing work', and paragraph 3 names the danger it protects against.

Mechanism C2 — The extreme version the writer explicitly refused

29 NOT GIVEN · Paragraph 2.

Ruskin's objection is given as a position, not as a reaction in France, and no French response is described. The reader supplies the controversy.

Mechanism B2 — Adjacent proposition on the same subject

30 YES · Paragraph 6.

'a doctrine that accepts many kinds of authenticity is also a doctrine that is harder to use against people acting in bad faith'.

Mechanism R — Straight retrieval — no trap

31 NOT GIVEN · Paragraphs 6 and 7.

He says anyone who welcomes it must say what now does the Charter's work, and proposes a different question. Whether the document itself needs changing is never addressed.

Mechanism B2 — Adjacent proposition on the same subject

32 YES · Paragraph 8.

'conducted by the people the building belongs to'.

Mechanism R — Straight retrieval — no trap

Questions 33–36

33 A · Paragraph 2.

'to return it to a complete state, which may be a state it never actually occupied'.

Mechanism R — Straight retrieval — no trap

34 B · Paragraph 3.

'locates authenticity in original fabric'.

Mechanism R — Straight retrieval — no trap

35 C · Paragraphs 1 and 4.

'the thing being handed on is a practice'. Ending E is the position the writer explicitly refuses in his final paragraph.

Mechanism C2 — The extreme version the writer explicitly refused

36 D · Paragraph 7.

'Asking what the building is for, and to whom, produces an argument that can actually be had.'

Ending F is true of the Nara Document's origin, not of the proposal — a true statement about the wrong subject.

Mechanism D1 — Statement moved from another paragraph

Questions 37–40

37 A · Paragraph 3.

The Venice Charter 'locates authenticity in original **fabric**'.

Mechanism R — Straight retrieval — no trap

38 B · Paragraph 4.

'the thing being handed on is a **practice**'. Age is the word a reader supplies from the topic rather than from the sentence.

Mechanism E4 — Minimal-pair options

39 G · Paragraph 5.

'must be judged within the cultural **context** of the property'.

Mechanism R — Straight retrieval — no trap

40 E · Paragraph 7.

'The mistake ... was to promote the **means** to the definition and then export it.' *Definition* is offered because the same sentence contains it — as the thing the means was wrongly promoted **to**.

Mechanism E4 — Minimal-pair options