

Answer Key & Explanations

Academic Reading Paper 14 — Matches, Deep Time and Novels

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	white phosphorus	D1	Statement moved from another paragraph	Paragraph 1.
2	jaw	R	Straight retrieval — no trap	Paragraph 2.
3	air	R	Straight retrieval — no trap	Paragraph 3.
4	side	D1	Statement moved from another paragraph	Paragraph 3.
5	1,400 / fourteen hundred / 1400	R	Straight retrieval — no trap	Paragraph 4.
6	Berne / Bern	R	Straight retrieval — no trap	Paragraph 5.
7	TRUE	R	Straight retrieval — no trap	Paragraph 2.
8	FALSE	A1	Quantity re-attached to another noun	Paragraphs 3 and 4.
9	FALSE	R	Straight retrieval — no trap	Paragraphs 3 and 4.
10	NOT GIVEN	B2	Adjacent proposition on the same subject	Paragraph 4.
11	FALSE	A3	Category swap inside a pair the passage keeps apart	Paragraph 5.
12	FALSE	C1	Overstatement — hedge removed	Paragraph 6.
13	NOT GIVEN	B2	Adjacent proposition on the same subject	Paragraphs 5 and 7.
14	B	F1	Answers out of order + repeats allowed	Section B.
15	C	D2	Intermediate actor named beside the originator	Section C.
16	F	F1	Answers out of order + repeats allowed	Section F.
17	E	F1	Answers out of order + repeats allowed	Section E.
18	G	D2	Intermediate actor named beside the originator	Section G.
19	B	R	Straight retrieval — no trap	Section D.

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

40	B	C2	The extreme version the writer explicitly refused	Paragraph 8.
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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 **white phosphorus** · Paragraph 1.

'What made the match reliable was **white phosphorus**'. Red phosphorus appears later and is the substitute rather than the cause.

Mechanism D1 — Statement moved from another paragraph

2 **jaw** · Paragraph 2.

'the bone of the **jaw** died'. The brain is named at the end of the same paragraph as where the infection went next.

Mechanism R — Straight retrieval — no trap

3 **air** · Paragraph 3.

'produced by heating it out of contact with **air**'.

Mechanism R — Straight retrieval — no trap

4 **side** · Paragraph 3.

'the red phosphorus went onto a strip on the **side** of the box'. The head is named in the clause before it and holds the other two ingredients.

Mechanism D1 — Statement moved from another paragraph

5 **1,400 / fourteen hundred / 1400** · Paragraph 4.

'about **fourteen hundred** of them walked out'. Three weeks and 1888 are both in the same paragraph.

Mechanism R — Straight retrieval — no trap

6 **Berne / Bern** · Paragraph 5.

'a convention signed at **Berne**'.

Mechanism R — Straight retrieval — no trap

Questions 7–13

7 **TRUE** · Paragraph 2.

'recognised within a decade of the material coming into use ... and went on being produced for another sixty years'.

Mechanism R — Straight retrieval — no trap

8 **FALSE** · Paragraphs 3 and 4.

Eleven years is the gap between Schrötter in 1844 and Lundström in 1855, not between 1844 and 1888. The figure is correct and has been attached to the wrong pair of dates.

Mechanism A1 — Quantity re-attached to another noun

9 FALSE · Paragraphs 3 and 4.

It was 'more expensive, less convenient, and for decades a minority product', because it would not strike on a wall or a boot.

Mechanism R — Straight retrieval — no trap

10 NOT GIVEN · Paragraph 4.

Their pay is described as piece rates and the deductions taken from it are listed. No comparison with any other factory is made anywhere.

Mechanism B2 — Adjacent proposition on the same subject

11 FALSE · Paragraph 5.

It taxed them 'high enough to end their manufacture', having concluded it could not ban a product outright. The outcome was the same and the mechanism was not.

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

12 FALSE · Paragraph 6.

'The commercial advantage of holding it was real', and the reason given is that a competitor unable to make a safe match would go on making an unsafe one.

Mechanism C1 — Overstatement — hedge removed

13 NOT GIVEN · Paragraphs 5 and 7.

The Berne convention and the American tax are described, and the writer draws a general lesson about regulation, but no other substance is mentioned.

Mechanism B2 — Adjacent proposition on the same subject

Questions 14–18

14 B · Section B.

The eight stages at Siccar Point. Matching information does not run in text order.

Mechanism F1 — Answers out of order + repeats allowed

15 C · Section C.

'He was not claiming the earth was eternal.' Section B contains the other famous phrase, about the abyss of time, and it is not qualified.

Mechanism D2 — Intermediate actor named beside the originator

16 F · Section F.

Darwin's three hundred million years for the Weald, removed from later editions.

Mechanism F1 — Answers out of order + repeats allowed

17 E · Section E.

'his method was quantitative where geology's was descriptive'.

Mechanism F1 — Answers out of order + repeats allowed

18 G · Section G.

The proportion of a decaying element to its product. Section H gives a date obtained this way but not the method.

Mechanism D2 — Intermediate actor named beside the originator

Questions 19–22

19 B · Section D.

Lyell's textbook of the 1830s.

Mechanism R — Straight retrieval — no trap

20 C · Section E.

Thomson's cooling calculation.

Mechanism R — Straight retrieval — no trap

21 D · Section H.

Holmes, 'against professional resistance and very little funding'. Lyell is the tempting answer because his name is attached to the timescale argument, but the decades of work on dates are Holmes's.

Mechanism D2 — Intermediate actor named beside the originator

22 A · Section C.

Hutton: 'no vestige of a beginning and no prospect of an end'.

Mechanism R — Straight retrieval — no trap

Questions 23–26

23 A · Section A.

'calculated from the **genealogies** in scripture'.

Mechanism R — Straight retrieval — no trap

24 C · Sections B and D.

'valleys are cut by the rivers running in them and mountains are worn down by weather' — the passage's term for this is **erosion**, used at Siccar Point and again of Darwin's valley. *Cooling* belongs to the physics side and is offered for that reason.

Mechanism E4 — Minimal-pair options

25 E · Section G.

'Kelvin's calculation assumed a body cooling from an initial store with nothing adding to it, and that **assumption** was simply false.'

Mechanism R — Straight retrieval — no trap

26 G · Section G.

'radioactive decay releases **heat** continuously from within the rock ... the earth has an internal furnace'. *Pressure* is the word a reader supplies from general knowledge of the earth's interior.

Mechanism E4 — Minimal-pair options

Questions 27–31

27 NO · Paragraph 3.

'This is not a scandal and nobody behaved badly; it is the ordinary process by which a result is checked.'

Mechanism C2 — The extreme version the writer explicitly refused

28 NO · Paragraph 7.

'None of this requires the conclusion that nothing happens. Something plainly does.'

Mechanism C2 — The extreme version the writer explicitly refused

29 NOT GIVEN · Paragraph 3.

The replication's size, date and result are given, and it used the same test. What the participants read is never specified, and a reader assumes it must have matched.

Mechanism B2 — Adjacent proposition on the same subject

30 YES · Paragraph 4.

'What it cannot establish is the direction ... no amount of additional correlational data will separate the two.'

Mechanism R — Straight retrieval — no trap

31 NOT GIVEN · Paragraphs 2 and 8.

Defending the humanities is mentioned once, as something the 2013 study was used for. Funding is never discussed, and the final paragraph is about how to argue rather than about what to pay for.

Mechanism B2 — Adjacent proposition on the same subject

Questions 32–36

32 A · Paragraph 2.

'taken up immediately by everybody with an interest in defending the humanities'. Ending G describes something the passage never says happened.

Mechanism D1 — Statement moved from another paragraph

33 B · Paragraph 3.

'found no effect of the reading condition on the same test'.

Mechanism R — Straight retrieval — no trap

34 C · Paragraph 4.

'People interested in other people's inner lives may read more novels, in which case the reading is a symptom rather than a cause.' Ending H states the opposite of what the paragraph says the correlation can do.

Mechanism C2 — The extreme version the writer explicitly refused

35 D · Paragraph 5.

'the value of literature becomes contingent on the measurement'.

Mechanism R — Straight retrieval — no trap

36 E · Paragraph 8.

'It is a considerably stronger one in the sense that it cannot be refuted by a replication.'

Mechanism R — Straight retrieval — no trap

Questions 37–40

37 A · Paragraph 3.

'several laboratories and around eight hundred participants'. C takes the three years, which is the gap between the two publications.

Mechanism A1 — Quantity re-attached to another noun

38 B · Paragraph 6.

'That does not show that reading makes people worse ... What it shows is that whatever reading does, it does not reliably do the thing the instrumental claim asserts.' Option A is refused in the same sentence.

Mechanism C1 — Overstatement — hedge removed

39 A · Paragraph 5.

'the argument makes a bargain, and the bargain is bad'. D contradicts paragraph 1, which calls the claim old.

Mechanism C1 — Overstatement — hedge removed

40 B · Paragraph 8.

'It needs to be defended in the way that other things people value are defended: as something worth having.' C is denied in paragraph 4 and A is nowhere in the passage.

Mechanism C2 — The extreme version the writer explicitly refused