

APOLLO

Evolution and speciation

SL

Biology

First assessment 2025

10 questions | mark schemes

Mark-scheme answers

Biology SL | Paper 1A | May 2025 TZ1 | Q22 | 1 marks

22. B

Biology SL | Paper 1A | May 2025 TZ2 | Q22 | 1 marks

22. C

Biology SL | Paper 1A | May 2025 TZ3 | Q14 | 1 marks

14. C

Biology SL | Paper 1A | May 2025 TZ3 | Q23 | 1 marks

23. A

3.	a	a. prioritizes globally endangered species for conservation; b. identifies species that have few close relatives/evolutionarily distinct; c. species recognised at a grassroots level/ program is run at a local level WTTE/Important for maintaining <u>biodiversity</u>; d. named relevant example of a species or EDGE program;	d. Examples may include <i>Chinese Giant Salamander (Andrias davidianus)/Pangolins (e.g., Sunda Pangolin Manis javanica)/ Aye-aye (Daubentonia madagascariensis)</i> <i>But any other correct and verified example is allowed</i>	2 max
3.	b	a. (later) rise in water level led to <u>geographical/geographic</u> isolation; b. reproductive isolation / no interbreeding (because of barrier) / no gene flow (between populations); c. different selective pressures/environments (for each population); d. different adaptations favoured/survive and reproduce more / differential selection/natural selection (for each population); e. populations diverge/can no longer interbreed (even when barrier is removed);	d. Must refer to adaptations and the action i.e. survive and reproduce.	3 max

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Question	Answers	Notes	Total
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Mark-scheme answers

Biology SL | Paper 1A | Nov 2025 TZ1 | Q22 | 1 marks

22. B

Biology SL | Paper 1A | Nov 2025 TZ1 | Q24 | 1 marks

24. A

Biology SL | Paper 1A | Nov 2025 TZ3 | Q13 | 1 marks

13. D

Biology SL | Paper 1A | Specimen 2025 | Q23 | 1 marks

23. B

Biology SL | Paper 1A | Specimen 2025 | Q24 | 1 marks

24. C