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|  | **Entrance Examination**  **February 2023** |
| **GEOLOGY AND ENVIRONMENTAL EARTH SCIENCE**  Time allowed: 1.5 hours (90 minutes)  All candidates should complete Section A,  and answer **one question only** from Section B | |

# SECTION A (50%)

**All candidates must complete this section**

1. Why is Geology still an important discipline?

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# SECTION B (50%)

Candidates should **answer one** of the following questions:

1. Describe the processes that occur when two tectonic plates collide.
2. Choosing either ‘sedimentary’, ‘igneous’ or ‘metamorphic’ rocks, describe how they are formed and classified.
3. Describe the key properties used to identify minerals.
4. Describe the internal structure of the earth.
5. Explain how the study of modern sedimentary environments can help us understand ancient sedimentary deposits.
6. Briefly describe three of the main principal groups of invertebrate fossils.