

Karnataka Board Class 12, 2026 Geology Question Paper

Time Allowed :3 Hours

Maximum Marks :80

Total questions :38

General Instructions

Read the following instructions very carefully and strictly follow them:

1. The paper is divided into Section A and Section B.
2. Section A includes objective-type questions.
3. All questions in Section A are compulsory.
4. Section B includes short answer, and long answer type questions.
5. Answers must be written legibly within the word limit.
6. Use of unfair means or electronic devices is prohibited.
7. Follow the correct format and instructions for each section.

Section - A

1. What kind of structure is characterized by an essentially granular and equidimensional mineral grain arrangement?

- (A) Schistose structure
- (B) Gneissose structure
- (C) Granulose structure
- (D) Cataclastic structure

2. The presence of angular grains in a sedimentary rock like breccia suggests:

- (A) Long transport distance
- (B) Short transport distance
- (C) Chemical precipitation

(D) High temperature formation

3. The mesozone is characterized by which of the following conditions?

- (A) Low temperature and high shear stress
 - (B) Moderate temperature and mixed pressure types
 - (C) High temperature and hydrostatic pressure
 - (D) Low pressure and low temperature
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4. The main orogeny that created the Alps and Carpathians took place during which era?

- (A) Mesozoic
 - (B) Cenozoic
 - (C) Paleozoic
 - (D) Precambrian
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5. Inliers are areas of:

- (A) Older rocks surrounded by younger rocks
 - (B) Younger rocks surrounded by older rocks
 - (C) Rocks formed by igneous activity
 - (D) Rocks altered by faulting
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Section - B

6. Discuss the morphology and geological range of brachiopods.

7. How do vesicular and amygdaloidal structures form? Explain their importance.

8. Explain with neat labelled diagram morphology of corals.

9. Describe the significance of the *Glossopteris* fossil in understanding the geological history of Gondwana.

10. Discuss types of unconformity.

11. Explain the properties of Pumice and Basalt.

12. Discuss the significance of structural geology in the exploration of groundwater.

13. What is the role of temperature in metamorphism?

14. What is pillow lava?

15. Write the classification of igneous rocks.

16. Write a note on agents of metamorphism.
