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FOR KARNATAKA CLASS 12 PREPARATION

Karnataka 2nd PUC Model Question Paper 2027 for Geology (Paper 2)

EXAM	YEAR	TYPE	SUBJECT
Karnataka Class 12	2027	Sample Paper	Geology

GOVERNMENT OF KARNATAKA

KARNATAKA SCHOOL EXAMINATION AND ASSESSMENT BOARD

MODEL QUESTION PAPER - 02 2026-27

GEOLOGY (37)

Duration: 3.00 hour **Max. Marks: 80**

Instructions:

1. *All parts are compulsory.*
2. *Draw neat labelled diagrams wherever necessary.*
3. *Write correct question numbers.*
4. *For part A questions only first written answers will be considered for evaluation.*

Part A

I. Answer all of the following questions. (5X1=5)

1. According to Brainemears, rocks are considered:
   a. Solely as historical artifacts
   b. As documents of geology telling the past, present, and future of Earth
   c. Only as sources of construction materials
   d. Only valuable for mining purposes
2. Roundness in sedimentary rocks refers to:
   a. The degree of sorting of grains
   b. The mineral composition of grains
   c. The degree of angularity of grains
   d. The chemical composition
3. What term is used for sedimentary beds formed in a continuous sequence without any breaks?
   a. Unconformable
   b. Conformable
   c. Metamorphic
   d. Igneous
4. Which rock is primarily composed of calcite and has a granulose texture?
   a. Slate
   b. Quartzite
   c. Marble
   d. Charnockite
5. The Mesozoic Era is also called the "Age of":
   a. Mammals
   b. Reptiles
   c. Fish
   d. Birds

II. Fill in the blanks (5x1=5)

(Graben, Uniform, Dike, Angular, Arenaceous, Directed)

6. In metamorphism, _____ pressure is generated by the overlying weight of rocks, leading to compaction.

7. In a _____ fault, the central block is uplifted, creating a raised structure between parallel faults.
8. _____ are discordant igneous forms that cut across pre-existing rocks and are often wall-like structures.
9. _____ sedimentary rocks are composed of sand-sized particles.
10. In _____ unconformity, older, inclined layers are overlain by younger, horizontal layers.

III. Match the following **(5X1=5)**

11.

A	B
a. Septa	I. Columnar
b. Fusus	II. Coral
c. Joint	III. Gastropod
d. Stratification	IV. Stratigraphy
e. Quartzite	V. Sedimentary
	VI. Metamorphic rocks

IV. Answer all of the following questions **(5X1=5)**

12. What is fossil?
13. Define spire.
14. Define dip.
15. What is sediment?
16. Give an example of hypabyassal rock.

V. Answer any seven of the following questions **(7X2=14)**

17. Give example of rock formed in mesozone.
18. Define rock.
19. What is vesicular structure?
20. Write the any two discordant forms of igneous rocks.
21. Give examples of rocks showing granulose texture.
22. What is stratification?
23. How do clastic rocks form?
24. Write the properties of marble?
25. What
26. What is bedding joint?
27. What is uniformitarianism?

VI. Answer any seven of the following questions (7X3=21)

28. Write the relationship between dip and strike of the rock beds.
29. With neat labelled diagram explain normal fault.
30. Draw a neat labelled diagram of plunge of a fold.
31. Explain ropy lava structure. Give example.
32. Write a note on fabric of grains.
33. Describe formation of mud cracks.
34. Write a note on metamorphism.
35. Explain the principles of stratification.
36. Write your views on fauna of Mesozoic era.
37. What are the conditions for preservation of fossils?
38. What are plant fossils? Give example.

VII. Answer any five of the following questions (5X5=25)

39. Explain the geology of Karnataka.
40. Explain the morphology of Trilobites.
41. Discuss the forms of intrusive igneous rocks.
42. Describe with diagram equigranular textures of igneous rocks.
43. With neat labeled diagram explain gneissose structure.
44. Briefly explain the Brunton compass and its uses.
45. Describe types of fault with diagram.
46. Explain parts in trilobite.
47. Write a note on types of fossilization.