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FOR KARNATAKA CLASS 12 PREPARATION

Karnataka 2nd PUC Model Question Paper 2027 for Geology (Paper 5)

EXAM	YEAR	TYPE	SUBJECT
Karnataka Class 12	2027	Sample Paper	Geology

GOVERNMENT OF KARNATAKA

KARNATAKA SCHOOL EXAMINATION AND ASSESSMENT BOARD

MODEL QUESTION PAPER - 05 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. Which mountain range formed during Cenozoic era?
   a. The Alps
   b. The Aravalli Range
   c. The Appalachian Mountains
   d. The Ural Mountains
2. What type of rocks are formed by the influence of temperature, pressure and chemically active fluids?
   a. Metamorphic rocks
   b. Igneous rocks
   c. Sedimentary rocks
   d. Residual rocks
3. Which texture type consists entirely of crystalline minerals?
   a. Holohyaline
   b. Merocrystalline
   c. Holocrystalline
   d. Cryptocrystalline
4. What term describes the highest point of an upfold?
   a. Trough
   b. Axis
   c. Hinge
   d. Crest
5. Gneiss is characterized by which structure?
   a. Granulose
   b. Gneissose
   c. Schistose
   d. Foliated

II. Fill in the blanks (5X1=5)

(Paleozoic, Umbo, Glossopteris, Syncline, Petrology, Hinge)

6. _____in which younger rocks are always found at the centre of the curvature.
7. In _____ we mainly study rocks their types, origin and occurrence.
8. _____ era is marked by permian extinction.
9. ____is prominent on ventral valve with a pedicle opening.
10. _____ represents lower gondwana time.

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

11.

	A		**B**
i.	Secondary rock	a.	Breccia
ii.	Conglomerate	b.	> 2.00mm
iii.	Eclogite	c.	Hypo zone
iv.	Heave	d.	Fault
v.	Lauressia	e.	Mesozoic
		f.	Mesozone

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

12. Mention the chemical composition of limestone.
13. What is dyke?
14. What is hanging wall?
15. What are conformable beds?
16. Mention the age of paradoxide.

PART-B

IV. Answer any Seven of the following **(7X2=14)**

17. What is tertiary rock? Give example.
18. Mention difference in magma and lava.
19. What is Batholith?
20. What is holocrytalline texture?
21. What is digenesis?
22. What are endogenetic rocks?
23. Mention the effects of pressure in metamorphism.
24. Write any two varieties of schist rock.
25. Write a short note on Precambrian eon.
26. How outlier outcrop is formed?
27. Draw stages of development of septas in corals.

V. Answer any seven questions from the following. (7X3=21)

28. How fold structures are formed?
29. Draw neat labelled diagram of step fault.
30. Write a note on angular unconformity.
31. Write a note on economic importance of Archeans.
32. Draw a chart showing periods and time range of cenozoic era.
33. With neat labelled diagram explain poikilitic texture.
34. Write a note on extrusive igneous rocks.
35. Explain role of temperature in metamorphism.
36. With neat labelled diagram explain stratification.
37. Write a note on carbonization.
38. Explain conditions of preservations of fossils.

VI. Answer any five questions from the following. (5X5=25)

39. Explain parts of folds.
40. Explain parts of Joints.
41. Explain five major zones of archeans.
42. Write properties of granite and syenite.
43. Explain intrusive form of igneous rocks.
44. Write properties of Quartzite and Marble.
45. Explain parts of gastropods.
46. Draw chart showing distribution of corals.
47. Describe pygidium on trilobite