

I PUC GEOLOGY (37)

Blue print for Model question paper

Unit	Chapter	Topic	Marks Allotted	1 Marks (MCQ, FIL, MTF, VSA)	2 Marks (SA1)	3 Marks (SA2)	5 Marks (LA)
1	1	General Geology	3	+	+		
	2	Universe And Solar System	5	+	++		
	3	Parameters Of Earth	1	+			
	4	Earth Motion	1	+			
2	5	Zone Of Earth	11	+	+	+	+
3	6	Geological Processes	21	++++ ++	+	+	++
4	7	Endogenous Processes	15	++		+	++
5	8	Mineralogy	18	+++	+	+	++
	9	Crystallography	17	++	+	+	++
6	10	Environmental Geology	3			+	
7	11	Role Of Indian Organization/Institutes In Geology	5	++		+	
		Practical	30				(6X5)
		Total	130	20	14	21	45

PUC I
MODEL QUESTION PAPER

Subject: GEOLOGY (37)

Hours: 3 hrs 15 min

Maximum Marks: 70+30

Note:

- All the parts are compulsory.
- Draw diagrams wherever necessary.
- Write correct question numbers.

PART - A

I. ANSWER ALL OF THE FOLLOWING QUESTIONS. (5 X 1 = 5)

1. Paleontology is the study of _____
 - a. Plant
 - b. Fossils
 - c. Animals
 - d. None of all
2. Which is the nearest planet to sun _____
 - a. Mercury
 - b. Mars
 - c. Jupiter
 - d. Saturn
3. _____ is the shape of the earth
 - a. Round
 - b. Spheroid
 - c. Oblate
 - d. Geoid
4. What is the % of nitrogen in atmosphere _____
 - a. 78.8%
 - b. 90%
 - c. 70%
 - d. 0%
5. The heap like material found at the foothill of the mountain is _____
 - a. Delta
 - b. heap
 - c. Talus
 - d. Dune

II. ANSWER ALL OF THE FOLLOWING QUESTIONS. (5 X 1 = 5)

6. _____ are the day's earth takes to complete one revolution around the sun.
7. _____ are the factors affecting biological weathering.
8. Ventifacts are the result of _____ type of erosion.
9. _____ is the sharp peak of mountain.
10. Depth of shallow focus earthquake is up to _____ km.

III. ANSWER ALL OF THE FOLLOWING QUESTIONS. (5 X 1 = 5)

11. Define focus.
12. Define crystal.
13. What is diaphaneity?
14. What is GSI?
15. What is ISRO?

IV. MATCH THE FOLLOWING (5 X 1 = 5)

- | | |
|---------------|---------------------------------|
| 16. Sand dune | a. Pore spaces in rock and soil |
| 17. Diamond | b. Color of powder of mineral |
| 18. Aquifer | c. Water bearing rock |
| 19. Streak | d. Wind deposition |
| 20. porosity | e. Carbon |

PART-B

V. ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS. (4 X 2 = 8)

21. Define hydrology?
22. What are galaxies?
23. List outer group of planet?
24. Explain atmospheric zones of earth.
25. What is attrition?
26. Define mineral?
27. Define interfacial angle.

PART- C

VII. ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS. (4 X 3 = 12)

28. Explain pedestal rock.
29. Write a note on lithosphere.
30. Explain types of volcano
31. Describe moh's scale of hardness
32. Explain morphology of crystal.
33. Write a note on air pollution.
34. Write a note on AEC.

PART-D

VIII. ANSWER ANY TWO OF THE FOLLOWING (2 X 5 = 10)

35. Describe layers of earth.
36. Explain types of glacier
37. Describe crystallographic axes and symmetric characters of isometric system.

IX. ANSWER ANY TWO OF THE FOLLOWING (2 X 5 = 10)

38. Describe symmetric characters of crystals
39. Write a note of sand dunes and types
40. Describe products of volcano.

X. ANSWER ANY TWO OF THE FOLLOWING (2 X 5 = 10)

41. Explain types of lusters.
42. Describe types of fractures.
43. Explain causes of earthquake

PART – E

(Practical Part)

XI. ANSWER ALL OF THE FOLLOWING (6 X 5 = 30)

44. Explain symmetry characters of Tetragonal system.
45. Describe crystallographic axes, forms of orthorhombic system
46. Explain the determination of Interfacial angle with the help of Contact Goniometer.
47. Explain physical properties of feldspar group of minerals.
48. Explain physical properties of quartz group of minerals.
49. Explain symmetry characters of monoclinic system.
