

PUC II MODEL QUESTION FOR ANNUAL EXAMINATION

Subject: GEOLOGY (37)

Hours: 3 hrs 15 min

Maximum Marks: 70+30

Note:

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

PART - A

I. ANSWER ANY TEN OF THE FOLLOWING QUESTIONS. (10 X 1 = 10)

1. Define rock.
2. Define Sill.
3. What is basic Lava?
4. What is stratification?
5. What is non-clastic rock?
6. What is heave?
7. Define fold
8. What is thorax?
9. What is spire?
10. What is Ptillophylum?
11. What is an Era?
12. Mention time range of Cambrian period.

PART B

II. ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS. (5 X 2 = 10)

13. What are metamorphic rocks?
14. What is concordant form of igneous rocks?
15. Define metamorphism.
16. What is foot wall?
17. Name the principles of stratigraphy.
18. What is graben fault?
19. What is petrification?
20. Define index fossil.

PART- C

III. ANSWER ANY FIVE OF THE FOLLOWING QUESTIONS. (5 X 3 = 15)

21. Explain volcanic igneous rocks.
22. Write composition of magma.
23. What is clastic sedimentary rock, give example?

24. Explain zones of metamorphism.
25. Describe Hinge and Limbs of the fold.
26. Write uses of Brunton compass.
27. Explain uniformitarianism.
28. Define mold and caste

PART D

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

29. Describe equigranular textures in igneous rock.
30. Explain classification of sedimentary rocks based on grain size.
31. Describe agents of metamorphism.
32. Explain periods of Paleozoic era.

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

33. Describe parts of fault.
34. Explain economic importance of Archaeans.
35. Write general morphology of Terebratula.
36. Describe types of folds.

VI. ANSWER ANY THREE OF THE FOLLOWING (3 X 5 = 15)

37. Explain the classification of igneous rocks based on mode of occurrence.
38. Describe thermal and plutonic metamorphism.
39. With neat labeled diagram describe types of unconformity.
40. Explain geological time scale.
41. With neat labeled diagram describe brachiopods.

PART – E

(Practical Part)

VII. ANSWER ANY SIX OF THE FOLLOWING (6 X 5 = 30)

42. Describe following rocks.
 - a. Basalt
 - b. Sandstone
43. Describe ripple marks in sedimentary rocks.
44. With neat labeled diagram describe columnar structure.
45. With neat labeled diagram describe schistose structure in metamorphic rock.
46. With neat labeled diagram describe Vesicular and Amygdaloidal structure.
47. With neat labeled diagram describe morphological features of Calceola.
48. Sketch and label the following fossils.
 - a. Fuses
 - b. Glossopteris

49. With neat labeled diagram describe morphological features of Paradoxide.
50. With neat labeled diagram describe graded bedding structure.

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