

SUBJECT CODE: 37

MODEL QUESTION PAPER 2021-22

Subject: GEOLOGY

PUC- II

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 **All** the following questions. (10 X 1 = 10)
1. Define Petrology?
  2. What is phenocryst?
  3. What is digenesis?
  4. What are agents of metamorphism?
  5. What is the age of the earth?
  6. What is True dip?
  7. What is fold Axis?
  8. What is Era?
  9. Define fossil.
  10. Give an example of plant fossil.

**PART B**

- II. Answer **any five** of the following questions. (5 X 2 = 10)
11. Define dyke?
  12. What is fault line?
  13. Define Pre-Cambrian Eon.
  14. Define Conglomerate.
  15. What are non-clastic rocks?
  16. Define conformable beds?
  17. What is Mesozoic era?
  18. What is Calyx?

P.T.O.

### PART- C

- III. Answer **any five** of the following questions. (5 X 3 = 15)
19. What is extrusive form of igneous rocks?
  20. Describe shape of crystals.
  21. Describe dynamic metamorphism.
  22. Describe marble and quartz?
  23. With neat labeled diagram define fold.
  24. What are two kinds of Dips?
  25. Define Law of order of superposition.
  26. Define mould and cast.

### PART D

- IV. Answer **any two** of the following (2 X 5 = 10)
27. With neat labeled diagram describe Pillow
  28. Describe classification sedimentary rocks based on grain size.
  29. Describe textures in metamorphic rocks.

- V. Answer **any two** of the following (2 X 5 = 10)
30. Describe types of joints.
  31. Describe principles of stratigraphy.
  32. Describe types of fossilization.

- VI. Answer **any three** of the following (3 X 5 = 15)
33. Describe mutual relationship of minerals.
  34. Describe zones of metamorphism.
  35. Describe normal and reverse fault.
  36. Describe salient feature of Paleozoic era.
  37. Describe general morphology and range in age of brachiopods.

### PART - E

- VII. Answer **all** the following (6 X 5 = 30)
38. Describe following structures in igneous rocks.
    - a. Vesicular
    - b. Columnar structure

P.T.O.

39. Describe any two structures in sedimentary rock.

Or

Describe types of fold.

40. Describe morphological features of Corals.

Or

Describe morphological features of Gastropod.

41. Describe forms of igneous rocks.

42. With neat labeled diagram describe morphological features of Ptilophylum.

43. With neat labeled diagram describe morphological features of Paradoxide