B.Sc DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, FEBRUARY 2025

Fifth Semester

CORE COURSE - GL5CRT05 - STRATIGRAPHY AND SEDIMENTARY PETROLOGY

Common for B.Sc Geology Model I & B.Sc Geology and Water Management Model III

2022 Admission Only

E259A382

Time: 3 Hours   Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Define strata.

2. What is overlap?

3. Name the geological Period which is known as 'age of fishes'.

4. Define formation.

5. What is the chronostratigraphic equivalent of Erathem?

6. Name two processes that produce dissolved constituents in water form the rocks.

7. Write the names of any two chemically formed sedimentary rocks.

8. What is orthoconglomerate?

9. Define arkose.

10. What is chalk?

11. What is silcrete?

12. What is rock salt?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the scope of stratigraphy.

14. Describe principle of included fragments and principle of superposition.

15. Substantiate sedimentary facies.

16. Explain stratigraphic column with figure.

17. Describe the process involved in cementation of sedimentary rocks.

18. Write a brief description on classification of sedimentary rock on the basis of origin.

19. What is the use of a phi scale in textural study?

20. The buildings Qutb Minar and Supreme Court are made up of a special type of sedimentary rock. What is it? Describe their general properties .

21. Write a short note on Iron rich sedimentary rocks.

$(6 \times 5 = 30)$

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Describe the significane of correlation.

23. Discuss about the sedimentary structures which have significance in determining the relative age of tilted stratas.

24. Prepare an essay on origin ,characteristics and classification of mudrocks.

25. Give an account of chemical sedimentary rocks.

$(2 \times 10 = 20)$