

M.Sc. Sem.-1 Examination

403

Applied Geology

January-2024

Time : 2-30 Hours]

[Max. Marks : 70

Q-1	A explain a detailed note on the formation of conglomerates with all its possible environments of formation	7
	B write a detailed note on 2) porosity and permeability in sedimentary rock (fig must)	7

Or

Q-1	A write detailed note on textures of sedimentary rocks (fig must)	7
	B write detailed note on limestone formation and its types and classification	7

Q-2	A define sedimentary facies and write a detailed note on the types of sedimentary facies	7
	B write a note on the evaporites	7

Or

Q-2	A write a detailed note on the sedimentary environments	7
	B write a detailed note on the significance of studying sedimentary rocks	7

Q-3	A write a detailed note on the diagenesis of sandstones	7
	B write a detailed note on the types of sedimentary rocks	7

Q-3	A write a note on the diagenesis of carbonate rocks	7
	B write note on neomorphism	7

Or

Q-4	A write a detailed note on bedding types and bedding plane features	7
	B write a detailed note on sedimentary cycles, rhythms and cyclothems	7

Or

Q-4	A write a detailed note on the evolution of sedimentary basins	7
	B write a detailed note on the field and laboratory techniques in sedimentology	7

Q -5	Attempt any seven out of twelve	14
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1. S-type define lamination in sedimentary rocks
2. A-type state the full form of the unit PSI
3. state name any 8 sedimentary rocks (no varieties)
4. The most common minerals in sedimentary rocks are _____
5. Dolomite name any three carbonate porosity types
6. Geopetal structures are indicators of _____
7. Two principal types of epiclastic conglomerates and breccias are ____ and _____
8. define rudaceous rocks
9. define arenaceous rocks
10. what are allocthonous grains
11. matrix supported conglomerates are also called as _____
12. Feldspar is most common in _____ and _____ types of rocks.

