

ST. XAVIER'S COLLEGE, RANCHI

GEOLOGY

Syllabus for Entrance Test 2026

Duration of Entrance Test – 2 hours

Syllabus for Multiple Choice Questions

1. Earth and Planetary Systems: The Evolution of Planets and their Characteristics.
2. Mineralogy and Petrology: Minerals, rock types, and the processes of their formation.
3. Branches of Geology: An overview of various branches of geology and the geological time scale.
4. Basics of Physical Geology: Geomorphic processes and agents, including landforms created by various agents.
5. Global Tectonics: Movements of tectonic plates and tectonic boundaries.
6. Applied Geology: Study of natural hazards and mitigation strategies, environmental and groundwater geology.
7. Resources Geology: Analysis of ore minerals and fossil fuels, focusing on their composition, occurrence, and distribution, with special attention to Jharkhand.
8. Geological Features and Engineering Structures: General knowledge about geological features and engineering structures such as dams, bridges, tunnels, etc.
9. General Knowledge