



Study of Geology at
Jogamaya Devi College
92, S. P. Mukherjee Road, Kolkata 700075



Study of Geology at JOGAMAYA DEVI COLLEGE (FOR GIRLS), KOLKATA



“Who are Geologists? What is Geology?”



PEOPLE IN THE MOUNTAIN

A group of men is climbing up a steep mountain path. Each of the men is carrying a heavy rucksack and a hammer with a long handle.

It is not easy path to walk along. The sun is blazing overhead, and from time to time stones rattle away from under the men’s feet. One of the men suddenly stops and breaks of a small piece of stone. He looks at the stones carefully, and puts it away in his rucksack.

... The men are on their way again along the mountain path, climbing further and further. Soon they are lost out of sight beyond a mountain pass, and all that is left is a song carried on the wind:

*The road is long, the road is hard,
But there’s no turning back yet awhile...
Press on, geologist!
Step firm, geologist!
You are brother to the wind and the sun!*

So who are geologists? Why are songs sung about them?

GEOLOGY? WHAT IS IT?

Yes, what does it mean, geo-logy? Geology is a Greek word: Geo means Earth, the planet we live on; and logy is Greek for knowledge, or science. So have you worked out what GEOLOGY is? It is the science of the Earth.

Geology is one of the oldest sciences. When cave-men looked for hard stones for their axes, they were being geologists. In this distant time, of course, people only used what they found on the surface of the Earth. It was many thousands of years later before they learnt to use the riches hidden under the Earth’s surface.

What are these riches? Why do we need them? I’ll tell you...

LOOK AROUND...

Look at the things around you. There’s a hammer and pincers, and a box of nails. They are all made of metal. There’s the kettle and your mothers iron, the frying-pan and the gas-stove. They are also made of metal.



Look out the window. There are cars on the road, and up in the sky there is an aeroplane. These, too, are made of metal.

Wooden chairs, glass beakers, books and all your cloths - trousers and shoes, shirt and socks - these are not, of course, made of metal, but they could not have been made without metal.

To make these things we need tools and machinery. And tools and machinery are made of iron and steel and other metals.

So where do we get metal from?

- Metal is smelted from ores. And ores are found by geologists.
- An inter-planetary spacecraft hurtles through the open expanses of the universe.
- A powerful cross-country vehicle travels over land where there are no roads.
- A tractor pulls a heavy plough behind it.

And all these machines need fuel to keep them moving. And finding these fuel is the work of geologists.

If you move into a new house, or go down into a station of the underground, remember that it is geologists who decide where to build.

They study the ground and say: "You can build a house here," or "You can lay your underground tracks here." In a different place they say: "No, you can't build here, the ground won't hold, everything will collapse."

You can't start building without geologists, and there would be no factories, no aeroplane or cars. Nor would there be any of the thousands of machines and other things which surround us and which are so necessary to us.

So that is the sort of science geology is! We can't even live without it."

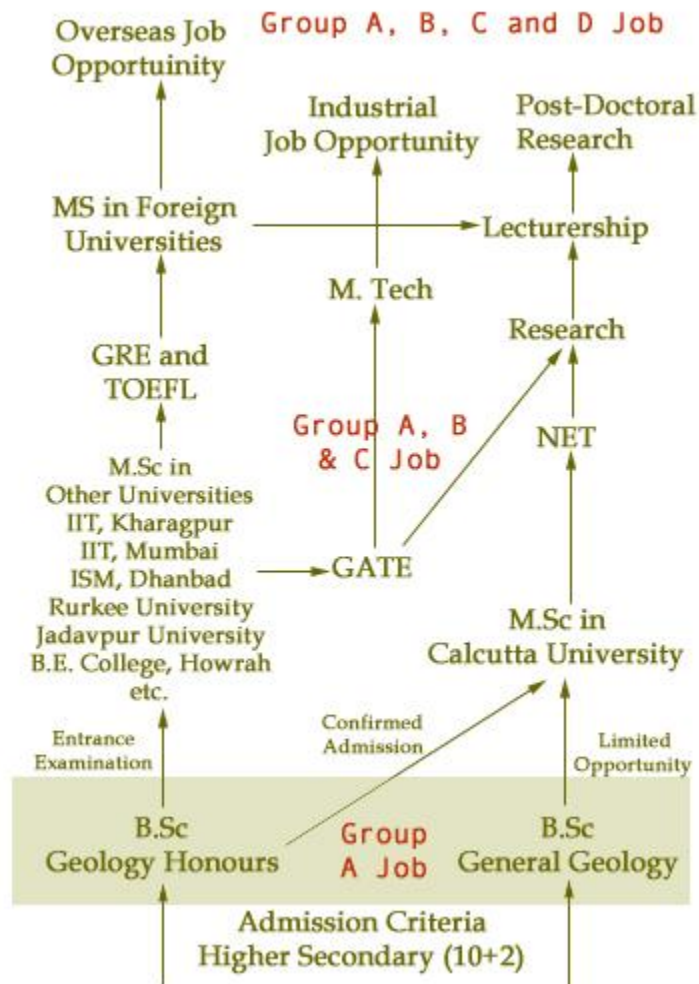
Reference: GEOLOGY IN PICTURES, Anatoli Chelenov, Raduga Publishers.



OPPORTUNITIES FOR HIGHER STUDIES AND PLACEMENTS IN GEOLOGY...

- **Group A Job:** ICS/IAS, WBCS, IFS etc.
- **Group B Job:** Geological Survey of India, Central Ground Water Board, Oil and Natural Gas Corporation Ltd., Atomic Mineral Division, Govt. of India etc.
- **Group C Job:** Everady, INDAL, NALCO, BALCO, ACC Cement & other Cement Co., Reliance Group, Other Private Mines
- **Group D Job:** Other Technical Jobs, Staff Selection Commission, Bank PO, Miscellaneous Service of WB Govt.





Course Available:

1. B.Sc Honours in Geology with Chemistry and Mathematics as other two pass subjects.
2. B.Sc General Course. Combination subjects are Geology, Zoology and Botany.
3. B.Sc General Course. Combination subjects are Geology, Chemistry and Mathematics.

INFORMATION

The total intake capacity of all the Post-Graduate Departments of Geology in Kolkata is more than the passed out students from the Under-Graduate Departments. Moreover more than 50% of our Honours Students are now getting lateral entry to Indian Institute of Technology (both Karagpur, Mumbai and Rurkee) and Indian School of Mines, Dhanbad. Therefore, General course students with above-mentioned subject combination can avail the opportunity to continue their post-graduate studies in any of the Departments of Geology of Kolkata.

Eligibility Criteria: Higher Secondary with good marks in total and Physics, Chemistry and Mathematics as combination subjects.



Our Academic Achievements

- X It is probably the only department in East Asia who has taken initiative to propagate geological studies among girl students only.
- X We can assure you for your post-graduate studies.
- X Once you get admission to Geology Honours classes, your chance of getting admission to M.Sc classes is 100% assured.
- X Roughly 50% of the lady employees of Geological Survey of India, (one of the premier organizations of the Govt. of India,) are our alumni.
- X Our students are also placed in prestigious positions in different government, corporate and non-government sectors and taking initiatives in the field of exploration, planning and implementation and taking a lead role in academia and industry both in national and international arena.
- X The live contact with our established ex-students is our asset which we are ready to impart to our present and future students.



[Field Photo Album]






Field Tours
Geology Department
Jogamaya Devi College

Total Field:
1st Year: 10days
2nd Year: 17 days
3rd Year: 10 days.

