

Government Girls PG College, Ghazipur

Department of Geology

B.Sc. (Geology)

PROGRAMME OUTCOME:

The Bachelor of Science programme in GGPG, College is designed with the objective of educating students for a success as a geoscientist having employability in government sector, public sector, private sector, research institutes or further qualifying JAM or other national examinations so as to pursue further studies.

PROGRAMME SPECIFIC OUTCOME:

Geological excursion would be important component of the B.Sc. Programme in Geology for laying a robust foundation to the budding geologist. Students will get exposure of actual rocks during geological excursion. Student will learn data collection, measurement and interpretation.

COURSE OUTCOME:

Year- 1st year, Sem-1

- a. Will learn the origin of Solar System and Earth.
- b. Will learn the internal structure of earth.
- c. Will understand interpretation of stress and strain imprinted in earth.
- d. Will learn the interpretation of deformed structure.
- e. Will understand the role of weathering agents.
- f. Will be able to interpret the geological maps.
- g. Will able to measure the geological data from field.

Year-1, Sem-2

- a. Will learn mineral and its type.
- b. Will understand the crystal formation, form and occurrence.
- c. Will learn formation of mineral groups and resource.
- d. Will see and feel natural minerals.
- e. Will learn to identify mineral in hand specimen.

Year-2, Sem-3

- a. Will Know the Paleo-life of earth.
- b. Will Know the reconstruction the earth based on fossil.
- c. Will be able to determine the age of rock formation based fossils.
- d. Will be able to locate the resources based on fossils.

Year-2, Sem-3

- a. Will Know the Paleo life of Earth.
- b. Will know the reconstruction of earth based on fossils.

- c. Will be able to determine the age of rocks formation based fossils.
- d. Will be able to locate the resources based on fossils.

Year-2, Sem-4

- a. Will learn to identify rock types and there mineralogical composition.
- b. Will learn texture structure found within the rock.
- c. Will understand the role of temperature and pressure in formation of rock.
- d. Will understand the role of Geothermometer.
- e. Understand the stratigraphy and sedimentation history of different sedimentary basin of India.
- f. Will understand the process of sedimentation and rock formation.

Year-3, Sem-6

- a. Will understand the Plate Tectonics.
- b. Will understand processes related to rifting, volcanism and mountain building etc.
- c. Will understand the construction of dams,tunnel and safety roads in hilly regions.

Year-3,Sem-5

- a. Will learn the presence of different types.
- b. Understand the fundamentals of stratigraphy and its branches.
- c. Will be able to identify potential zone of earth resource.

Year-3,Sem-6

- a. Will understand the plate tectonics.
- b. Will understand the processes related to rifting, Volcanism and mountain building.
- c. Will understand the construction of Dams, tunnels and safety roads in hilly regions.

Year-3, Sem-6

- a. Will understand art technology, being effectively used to monitor and assess the earth resources.
- b. Will be able to develop skills of interpreting the visual and digital satellite data.
- c. Will understand the interaction of humans with the geological environment.

Year-3,Sem-5

- a. Will identify the common ore minerals.
- b. Will understand the genetic controls exerted by physical and chemical processes on ore formation in various geologic settings.
- c. Will understand the economic and policy issues related to minerals and there national importance.

Year-3,Sem-5

- a. Will understand the plate tectonics.

- b. Will understand the processes related to Rifting, Volcanism and mountain building.
- c. Will understand the construction of dam, tunnel and safety roads in hilly regions