

SYLLABUS OF 4 YEARS UG PROGRAM (FYUGP) IN GEOLOGY
GOVT. DIGVIJAY AUTONOMOUS P.G. COLLEGE, RAJNANDGAON (C.G.)
AS PER NEP 2020 (SEMESTER-I AND II)

Program Objective

- ✓ Prepare students for successful scientific, technical or management careers in the geosciences or related fields.
- ✓ Provide employers with a well-educated workforce that is ready and able to perform valuable scientific, technical or managerial services immediately after graduation.
- ✓ Student will be able to Effectively communicate scientific ideas and results in writing.
- ✓ Student will be able to Visualize and comprehend geologic structures and processes.
- ✓ Students will be able to Understand how geologists measure deep time and reconstruct earth history.

Program Specific Outcome (PSO)

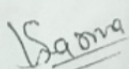
On Completion of Course, the students should be able to

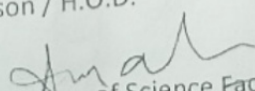
PSO 1 Acquire a solid base of knowledge in the science of geology as whole as well as earth materials, earth history, sedimentation and stratigraphy, deformational processes and structural features and geomorphic processes and landforms.

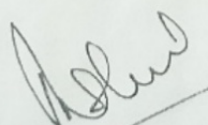
PSO 2 Demonstrate the ability to use Clinometer and Brunton compass and images in geological investigations.

PSO 3 Apply principles of mathematics, chemistry and physics to geologic problems.

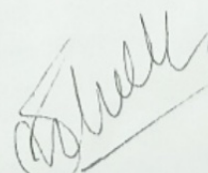
PSO 4 Develop proficiency in oral and written communication of geologic concepts.

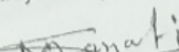

Chairperson / H.O.D.


Senior Professor of Science Faculty


Subject Expert

Alumnus


Subject Expert


Student

online
Subject Expert

B.Sc. Geology I Semester : Course Learning Outcome :

On Completion of Course the Students will be able to :

1. Understand basics of Geology, solar system, internal structure of the earth & origin & age of the earth.
2. Understand the theories of continental drift. Sea floor spreading & plate tectonics.
3. Explain the agents of weathering & its products.
4. Understand causes of effects of earthquakes & volcanoes.
5. Describe concept of geomorphology landforms developed by various geological agents.

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B.Sc. Geology II Semester : Course Learning Outcome :

On Completion of Course the Students will be able to :

1. Explain about the basics of Crystallography, various Crystal for, Crystallographic axes & symmetry elements.
2. Describe various forms of normal classes of various Crystal Systems.
3. Classify the minerals in various Silicate groups & explain their varieties. .
4. Describe the physical properties of various minerals.
5. Describe the optical Characteristics of various minerals.

Shweta

Only

Baroni
AJ

Arshad