

## PROGRAM STRUCTURE (GEOLOGY)

### B.Sc. Geology (3 year)

#### Semester 1

S. No.	Course Title
1.	Fundamentals of Geology and Understanding the Planet Earth
2.	Mineralogy and crystallography
3.	Earth Materials, Surface Features and Processes
4.	Geology: Earth Science for Everyone
5.	Geological mapping
6.	Behavioral Science
7.	Environmental Studies-1
8.	Foreign Business language (German/French)
9.	Punjabi

#### Semester 2

S. No.	Course Title
1.	Structural Geology
2.	Palaeontology
3.	Environmental Earth Sciences
4.	Natural hazards and Disaster Management
5.	Behavioral Science
6.	Environmental Studies-2
7.	Foreign Business language (German/French)
8.	Punjabi
9.	Optics and Optical mineralogy

#### Semester 3

S. No.	Course Title
1.	Igneous Petrology
2.	Sedimentary Petrology
3.	Geomorphology
4.	Climate change: past, present and future
5.	Introduction to Communication Skills
6.	Geological Field work

#### Semester 4

<b>S. No.</b>	<b>Course Title</b>
1.	Metamorphic Petrology
2.	Principles of Stratigraphy and Precambrian Stratigraphy of India
3.	Phanerozoic Stratigraphy of India
4.	Evolution of life through time
5.	Professional Etiquette and Workplace Communications
6.	Economic Geology

### Semester 5

<b>S. No.</b>	<b>Course Title</b>
1.	Hydrogeology
2.	Ore Geology
3.	Geochemistry and Isotope Geology
4.	Remote Sensing and Geographic Information System in Geology

### Semester 6

<b>S. No.</b>	<b>Course Title</b>
1.	Engineering Geology
2.	Micropalaeontology
3.	Mining and Mineral Exploration
4.	Oceanography