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|  **Geology Scheme** |
| **Course** | **Course Code** | **Credit** |
|  **I Semester** |
| Communication Skills in English  | EN01AA901 | 4 |
| Reading Literature in English  | EN01AA902 | 3 |
| Malayalam - Katha, Novel | MA01AB901 | 4 |
| Hindi - Prose and One Act Play | HI01AB901 | 4 |
| Methodology and Perspectives in Earth Sciences / Map Reading and Interpretation - Practical | GL01BAA01 | 2 1 |
| Differential Calculus and Trigonometry  | MT01CA902 | 3 |
| Basic Theoretical and Analytical Chemistry  | CH01CA901 | 3 |
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|  **II Semester** |
| Critical Thinking, Academic Writing and Presentation  | EN02AA901 | 4 |
| Musings on Vital Issues  | EN02AA902 | 3 |
| Malayalam - Kavitha | MA02AB901 | 4 |
| Hindi - Translation, Communication Skills and Applied Grammar | HI02AB901 | 4 |
| Geoinformatics and Geomorphology / Geomorphology and Morphometry - Practical | GL02BAA01 | 2 1 |
| Integral Calculus and Matrices  | MT02CAA01 | 3 |
| Basic Organic Chemistry / Volumetric Analysis - Practical | CH02CA901 | 2 1 |
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|  **III Semester** |
| Reflections on Indian Polity, Secularism and Sustainable Environment  | EN03AA901 | 4 |
| Malayalam - Arangum Porulum | MA03AB901 | 4 |
| Hindi - Poetry and Fiction | HI03AB901 | 4 |
| Crystallography and Physical Mineralogy / Crystal Model Identification and Physical Mineralogy - Practical | GL03BAA01 | 3 1 |
| Vector Calculus, Fourier Series and Analytical Geometry  | MT03CL001 | 4 |
| Advanced Physical Chemistry - I  | CH03CAA03 | 4 |
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|  **IV Semester** |
| Evolution of Philosophy of Science and Literary Perspectives  | EN04AA901 | 4 |
| Malayalam - Gadhyam, Rachanaparichayam | MA04AB901 | 4 |
| Hindi - Culture and Civilization of India | HI04AB901 | 4 |
| Mineral Optics and Descriptive Mineralogy / Descriptive and Optical Mineralogy - Practical | GL04BAC01 | 3 1 |
| Differential Equations, Abstract Algebra, Numerical Analysis  | MT04CL001 | 4 |
| Advanced Physical Chemistry - II / Physical Chemistry – Practical | CH04CAC01 | 2 2 |
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|  **V Semester** |
| Stratigraphy and Sedimentary Petrology  | GL05BAC01 | 3 |
| Igneous Petrology  | GL05BAC02 | 3 |
| Metamorphic Petrology and Geochemistry  | GL05BAC03 | 3 |
| Palaeontology | GL05BAC04 | 3 |
| Open Course |   | 3 |
| Stratigraphy, Petrology and Palaeontology - *Practical* | GL05BAC05 | 4 |
| Project Work  | PH05BA904 | 1 |
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|  **VI Semester** |
| Structural Geology  | GL06BA901 | 2 |
| Phanerozoic Stratigraphy of India  | GL06BA902 | 3 |
| Geotectonics and Precambrian Stratigraphy of India  | GL06BA903 | 3 |
| Economic Geology  | GL06BA904 | 3 |
| Structural Geology, Stratigraphy of India, Geotectonics and Economic Geology - *Practical* | GL06BA905 | 2 |
| Environmental Geology (Choice-based Open Course) | GL06BA906 | 3 |
| Project Work  | GL06BF901 | 1 |
| Study Tour & Field Work (Tour Report and Specimen Display)  | GL06BF902 | 2 |
| Viva Voce  | GL06BF903 | 1 |