

**DEPARTMENT OF GEOLOGY**  
**PROGRAMME:- B Sc Geology**

**SEMESTER 1**

| <b>COURSE</b>          | <b>COURSE CODE</b> | <b>PAPER NAME</b>                               | <b>HOURS</b> | <b>CREDITS</b> |
|------------------------|--------------------|---|--------------|----------------|
| <b>COMMON</b>          | ENG1A01            | LITMOSPHERE:THE WORLD OF LITERATURE             | 4            | 3              |
|                        | ENG1A02            | FUNCTIONAL GRAMMAR AND COMMUNICATION IN ENGLISH | 5            | 3              |
|                        | ARB1A07(1)         | LANGUAGE SKILLS IN ARABIC                       | 4            | 4              |
|                        | MAL1A07            | MALAYALA SAHITHYAM-1                            | 4            | 4              |
| <b>CORE</b>            | GEO1B01            | ESSENTIALS OF GEOLOGY                           | 3            | 3              |
|                        | GEO1B02(P)         | FIELD GEOLOGY                                   | 1            | 0              |
| <b>COMPLIMENTARY 1</b> | CHE1C01            | GENERAL CHEMISTRY                               | 2            | 2              |
|                        |                    | CHEMISTRY PRACTICAL                             | 2            | 0              |
| <b>COMPLIMENTARY 2</b> | PHY1C01            | PROPERTIES OF MATTER AND THERMODYNAMICS         | 2            | 2              |
|                        |                    | PHYSICS PRACTICAL                               | 2            | 0              |
| <b>AUDIT COURSE</b>    | AUD1E01            | ENVIRONMENTAL STUDIES                           | 0            | 4              |

**SEMESTER 2**

| <b>COURSE</b>        | <b>COURSE CODE</b> | <b>PAPER NAME</b>                  | <b>HOURS</b> | <b>CREDITS</b> |
|----------------------|--------------------|------------------------------------|--------------|----------------|
| <b>COMMON COURSE</b> | ENG2A03            | READING FROM THE FRINGES           | 4            | 4              |
|                      | ENG2A04            | READINGS ON KERALA                 | 5            | 4              |
|                      | ARB2A08(1)         | APPRECIATING ARABIC LITERATURE     | 4            | 4              |
|                      | MAL2A08(1)         | MALAYALA SAHITHYAM-2               | 4            | 4              |
| <b>CORE COURSE</b>   | GEO2B03            | DYNAMIC GEOLOGY AND GEOINFORMATICS | 3            | 3              |
|                      | GEO2B04(P)         | GEOINFORMATICS                     | 1            | 0              |
| <b>COMPLIMENTARY</b> | CHE2C02            | PHYSICAL CHEMISTRY                 | 2            | 2              |
|                      |                    | CHEMISTRY PRATICAL                 | 2            | 0              |
|                      | PHY2C02            | OPTICS,LASER,ELECTRONICS           | 2            | 2              |
|                      |                    | PHYSICS PRACTICAL                  | 2            | 0              |
| <b>AUDIT COURSE</b>  | AUD2E02            | DISASTER MANAGEMENT                | 0            | 4              |

**SEMESTER 3**

| <b>COURSE</b>        | <b>COURSE CODE</b> | <b>PAPER NAME</b>   | <b>HOURS</b> | <b>CREDITS</b> |
|----------------------|--------------------|---|--------------|----------------|
| <b>COMMON</b>        | ENG3A05            | READING ON INDIAN LITERATURES                                 | 5            | 4              |
|                      | ARB3A09            | READING ARABIC PROSE AND POETRY                               | 5            | 4              |
|                      | MAL3A09            | MALAYALA SAHITHYAM-3  | 5            | 4              |
| <b>CORE</b>          | GEO3B05            | CRYSTALLOGRAPHY AND MINERALOGY                                | 3            | 3              |
|                      | GEO3B06(P)         | CRYSTALLOGRAPHY   | 2            | 0              |
| <b>COMPLIMENTARY</b> | CHE3C03            | ORGANIC CHEMISTRY   | 3            | 2              |
|                      |                    | CHEMISTRY PRACTICAL   | 2            | 0              |
|                      | PHY3C03            | MECHANICS,RELATIVITY,WAVESAND OSCILLATIONS                    | 3            | 2              |
|                      |                    | PHYSICS PRACTICAL   | 2            | 0              |
| <b>AUDIT COURSE</b>  | AUD3E03            | HUMAN RIGHTS/INTELLECTUAL PROPERTY RIGHTS/CONSUMER PROTECTION | 0            | 4              |

**SEMESTER 4**

| <b>COURSE</b>        | <b>COURSE CODE</b> | <b>PAPER NAME</b>                             | <b>HOURS</b> | <b>CREDITS</b> |
|----------------------|--------------------|---|--------------|----------------|
| <b>COMMON</b>        | ENG4A06            | SONGS AND STORIES OF OUR WORLD                | 5            | 4              |
|                      | ARB4A10            | ARABIC LITERATURE AND CULTURE                 | 5            | 4              |
|                      | MAL4A10            | MALAYALA SAHITHYAM-4                          | 5            | 4              |
| <b>CORE</b>          | GEO4B07            | OPTICAL AND DESCRIPTIVE MINERALOGY            | 3            | 3              |
|                      | GEO4B08(P)         | GEOINFORMATICS,CRYSTALLOGRAPHY,AND MINERALOGY | 2            | 4              |
| <b>COMPLIMENTARY</b> | CHE4C04            | PHYSICAL AND APPLIED CHEMISTRY                | 3            | 2              |
|                      | CHE4C05(P)         | CHEMISTRY PRACTICAL                           | 2            | 4              |
|                      | PHY4C04            | ELECTRICITY,MAGNETISM AND NUCLEAR PHYSICS     | 3            | 2              |
|                      | PHY4C05            | PHYSICS PRACTICAL                             | 2            | 4              |
| <b>AUDIT COURSE</b>  | AUD4E04            | GENDER STUDIES/GERONTOLOGY                    | 0            | 4              |

**SEMESTER 5**

| <b>COURSE</b>      | <b>COURSE CODE</b> | <b>PAPER NAME</b>                   | <b>HOURS</b> | <b>CREDITS</b> |
|--------------------|--------------------|-------------------------------------|--------------|----------------|
| <b>CORE</b>        | GEO5B09            | STRUCTURAL GEOLOGY AND GEOTECTONICS | 3            | 3              |
|                    | GEO5B10            | STRATIGRAPHY AND SEDIMENTOLOGY      | 3            | 3              |
|                    | GEO5B11            | IGNEOUS PETROLOGY                   | 3            | 3              |
|                    | GEO5B12            | METAMORPHIC PETROLOGY               | 3            | 3              |
| <b>PRACTICAL</b>   | GEO5B13(P)         | STRUCTURAL GEOLOGY                  | 4            | 0              |
|                    | GEO5B14(P)         | PETROLOGY                           | 4            | 0              |
| <b>PROJECT</b>     | GEO5B15(PR)        | PROJECT WORK                        | 1            | 0              |
| <b>STUDY TOUR</b>  | GEO5B16(ST)        | STUDY TOUR                          | 1            | 0              |
| <b>OPEN COURSE</b> | GEO5D01            | UNDERSTANDING THE EARTH             | 3            | 3              |

**SEMESTER 6**

| <b>COURSE</b>     | <b>COURSE CODE</b> | <b>PAPER NAME</b>               | <b>HOURS</b> | <b>CREDITS</b> |
|-------------------|--------------------|---------------------------------|--------------|----------------|
| <b>CORE</b>       | GEO6B17            | PALAEONTOLOGY                   | 4            | 4              |
|                   | GEO6B18            | INDIAN GEOLOGY                  | 4            | 4              |
|                   | GEO6B19            | ECONOMIC GEOLOGY                | 4            | 4              |
| <b>PRACTICAL</b>  | GEO6B20(P)         | STRUCTURAL AND ECONOMIC GEOLOGY | 4            | 4              |
|                   | GEO6B21(P)         | PETROLOGY AND PALAEONTOLOGY     | 4            | 4              |
| <b>ELECTIVE</b>   | GEO6B22(E01)       | ENVIRONMENTAL GEOLOGY           |              |                |
|                   | GEO6B22(E02)       | DISASTER MANAGEMENT             |              |                |
|                   | GEO6B22(E03)       | GEOEXPLORATION                  | 3            | 3              |
|                   | GEO6B22(E04)       | GEO TECHNICAL ENGINEERING       |              |                |
| <b>PROJECT</b>    | GEO6B23(PR)        | PROJECT WORK                    | 1            | 2              |
| <b>STUDY TOUR</b> | GEO6B24(ST)        | STUDY TOUR                      | 1            | 2              |