Practical Plan

| Name of the college: Government College of Arts, Science & Commerce, Sanquelim | | | | |
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| Name of Faculty: Magnolia Aurea Miranda | Subject: Geology | | | |
| | | | | |
| Paper code: GEO 241 | Program: SY BSc | Division: | | |
| | | | | |
| | | Total Practicals/Labs | | |
| Academic year: 2024 - 2025 | Semester: III | 15 | | |
| | | | | |
| Credits: 2 | | | | |
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| 2. Describe the natural, synthetic, a | ls in rocks and the processes involved in their formation. CL2 nd organic gemstones. CL2 properties of crystals and gemstones. CL1. | | | |
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| Course Learning Outcome: | | | | |
| 1. Explain the Physical and option | cal properties of crystals/gemstones. CL2 | | | |
| 2. Examine imperfections in crys | stals and gemstones. CL3 | | | |
| 3. Identify crystals and gemstone | | | | |
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| Student Learning | | | | |
| Outcome: | | | | |
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| Month | Practicals/ Labs Scheduled Date | No. of Practicals/Labs planned | List of Experiments | Reference books |
|---------------|--|--------------------------------------|---|---------------------------------------|
| July | 4-7-24 | 1 | Study of crystal models and minerals | Dana's Manual of Mineralogy |
| | 11-7-24 | 2 | Study of crystal models and minerals | Rutley's Elements of Mineralogy |
| | | | Study of crystal models and minerals | |
| | 18-7-24 | 3 | | |
| | 25-7-24 | 4 | Study of crystal models and minerals | |
| | 1-8-24 | 5 | Study of crystal models and minerals | |
| | 8-8-24 | 6 | Study of crystal models and minerals | |
| | 22-8-24 | 7 | Study of crystal models and minerals | |
| August | 29-8-24 | 8 | Study of crystal models and minerals | |
| | 5-9-24 | 10 | Description & Identification of cuts in gemstones | Read, P. G., (1991). <i>Gemmology</i> |
| | 19-9-24 | 11 | Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope. | Read, P. G., (1991). <i>Gemmology</i> |
| Septem ber | 26-9-24 | 12 | Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope. | Read, P. G., (1991). <i>Gemmology</i> |
| | 3-10-24 | 13 | Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope. | Read, P. G., (1991). Gemmology |
| | 10-10-24 | 14 | Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope. | Read, P. G., (1991). Gemology |
| October | 17-10-24 | 15 | Practical Exam | |

Assessment Rubrics

| Component | | Max Marks |
|-------------------|-----------|-----------|
| | ISA 1 | 5 |
| Theory | ISA 2 | 5 |
| | ISA 1 | 5 |
| | ISA 2 | 5 |
| Practical | ISA 3 | 5 |
| Project | - | - |
| Semester End Exam | Theory | 20 |
| | Practical | 40 |