

SAVITRIBAI PHULE PUNE UNIVERSITY

Geography T.Y.B.Sc. (Credit System)

Revised Syllabus (From June-2021)

Semester-V

Course No: GG 358: Field Techniques in Geography (Practical Paper-2)

No. of Credits: 02

No. of hours: 30

Objectives:

1. To acquaint the students with field techniques in Geography
2. To familiarize the students with identification of rocks and minerals in field.

- **Each Practical batch will be comprised of 12 students**

Unit No.	Unit	Sub-Unit	No. of Hrs.
1	Fieldwork in Geographical Studies	<ol style="list-style-type: none">1. Fieldwork in Geographical Studies- Role, value and ethics of fieldwork2. Defining the field and identifying the case study: Rural/ Urban / Physical / Human / Environmental3. Field Techniques-Merits, Demerits and Selection of the appropriate techniques for Rural/Urban / Physical / Human / Environmental Study	07
2	Fieldwork techniques in Human Geography	<ol style="list-style-type: none">1. Methods of collection of geographical data in the field: Observation, Interview, Recording, Sketching, Measuring, Sampling, Questionnaire, Survey Map Reading, Photo Reading, Documentary Method2. Essentials equipment for the fieldwork: Stationary, Field Compass, Binoculars, Maps, Excavation Tools, Measurement equipment, weather instruments, Camera, Audio/Video recorders, Aerial photographs, Aneroid cell phone for Google maps and Google Earth search, etc.	08
3	Fieldwork Techniques in Physical Geography Part I : Identification of Minerals	<ol style="list-style-type: none">1. Keys to recognizing minerals: i)Luster ii)Hardness iii)Colour iv)Streak v)Cleavage vi)Fracture vii) Specific gravity.2. Study of selected specimens of minerals: Bauxite, Borax, Calcite, Diamond, Dolomite, Graphite, Gypsum, Haematite, Hornblende, Kaolinite, Limonite, Magnetite, Pyrite, Quartz, Talc, Topaz, Zircon3. Observation and identification of minerals in the field	08
4	Fieldwork Techniques in Physical Geography	<ol style="list-style-type: none">1. Keys to recognizing rocks: i)Texture ii) Structure iii) Colour iv) Acid test v) Mineral content	

	Part II: Identification of rocks	2. Study of selected specimens of rocks: Basalt, Coal, Conglomerate, Gabbro, Gneiss, Granite, Limestone, Marble, Pumice, Quartzite, Sandstone, Schist, Slate, Shale 3. Observation and identification of rocks in the field	07
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Note:

1. Use of map stencils, log tables, statistical tables and calculators are allowed at the time of examination.
2. Completion of journal and certification by Practical-in-charge and Head of the Department is must.
3. Candidate without certified journal should not be allowed for the practical examination.

Reference Books:

1. Asis Sarkar (2015), Practical Geography, A Systematic Approach, Orient Black Swan
2. Singh, R.L., (2005). Elements of Practical Geography. Kalyani Publishers, New Delhi. India.
3. Singh R.L. and Singh R.P.B., (1999), Elements of Practical Geography, Kalyani Publishers.
4. Robert H. Stoddard (1982), Field Techniques and Research Methods in Geography Kendall/Hunt Publishing Company.
5. Richard Phillips and Jennifer Johns, (2012), Fieldwork for Human Geography, Sage Publication

