

C- 14: FIELD WORK
(PRACTICAL)

Time: 1 Hour

Full Marks: 50

A. Preparation of a Field Report:

(30 Marks)

Field Report is to be prepared for an area (C.D. blocks/ P.S/ mouza/ G.P./municipality/drainage basin) on the basis of any particular problem of the selected area of study. Questionnaire/schedule to be prepared for collection of primary data, data collected from the field are to be analysed /processed and represented by suitable methods. Report should contain adequate number of tables, diagrams and maps, photo, complying of anything associated with field report only. Field report is to be authenticated by the concerned supervisor(s) .Participation and preparation of field work is compulsory. The report must follow the basics structure of report writing.

Guidelines for the preparation of the Field Report:

- The Field Work is to be conducted after the completion of the 5th semester examination.
- Participation in the field work is compulsory.
- It may be carried out in a rural or in an urban area or in a drainage basin within the country.
- The Report must contain a certificate from the supervisor(s) that it is a bonafide work prepared by the candidate concerned.
- The Field Report should be of A4 size and hard bound.
- The Report should not exceed 100 pages containing maps and diagrams and must be typed by computer.
- A single page may contain several diagrams/graphs/maps as required for proper presentation of the findings.
- Separate sheets for photographs can be used.
- Tables may be incorporated within the writing portions as per relevance and requirement.
- The Report should be computer written (i.e writing portion only); using MSWord, Times New Roman as the Font type with font size: 12 and doubly spaced singly printed.
- Field Itinerary, Tabulation sheet, all calculations in tabular form and References should be presented in the appendices.
 - Report must follow the basic structure of Research Report Writing

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B) Field Viva-Voce:

(10Marks)

C) Continuous Evaluation Internal (6) and Attendance (4)

(10 Marks)

SEC- 2: RESEARCH METHODOLOGY

(Practical)

Time: 2 Hour

Full Marks: 50

A. RESEARCH METHODOLOGY (15 Marks for Theory Questions)

- i. **Research:** Definition, Concept, Types & Methods. (4)
- ii. **Structure of a Research Report:** Abstract, Introduction, Identification of research problems, Literature Review, Objectives, Rationale of the study, Hypothesis, Selection of Sample Size, Data collection (Methodology), Result and Discussion, Major Findings, Conclusion, Reference and Bibliography (APA 6th Edition) . (15)

B. PREPARATION OF RESEARCH REPORT (10 Marks for Theory Questions)

i. Project Report on Research Methodology:

- a. Framing of research objectives on any particular research problem(15)
 - b. Data Collection,
 - c. Literature Review,
 - d. Questionnaire framing
 - e. Reference and Bibliography

C) Viva-voce (5), Preparation of Project Report -External Evaluation (10) Preparation of Project Report -Internal Evaluation (6) and Attendance(4)

Suggested Readings

1. Creswell J., 1994: *Research Design: Qualitative and Quantitative Approaches* Sage Publications.
2. Dikshit, R. D. 2003. *The Art and Science of Geography: Integrated Readings*. Prentice-Hall of India, New Delhi.
3. Evans M., 1988: "Participant Observation: The Researcher as Research Tool" in *Qualitative Methods in Human Geography*, eds. J. Eyles and D. Smith, Polity.
4. Misra, R.P. (2002) *Research Methodology*, Concept Publications, New Delhi.
5. Mukherjee, Neela 1993. *Participatory Rural Appraisal: Methodology and Application*. Concept Pubs. Co., New Delhi.
6. Mukherjee, Neela 2002. *Participatory Learning and Action: with 100 Field Methods*. Concept Pubs. Co., New Delhi
7. Robinson A., 1998: "*Thinking Straight and Writing That Way*", in *Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioural Sciences*, eds. by F. Pryczak and R. Bruce Pryczak, Publishing: Los Angeles.
8. Special Issue on "Doing Fieldwork" *The Geographical Review* 91:1-2 (2001).
9. Stoddard R. H., 1982: *Field Techniques and Research Methods in Geography*, Kendall/Hunt.
11. Wolcott, H. 1995. *The Art of Fieldwork*. Alta Mira Press, Walnut Creek, CA.

**SEC-1: ENVIRONMENTAL IMPACT ASSESSMENT
(PRACTICAL)**

Time: 1 Hour
Theoretical :

Full Marks: 50

Marks- 15

1. Concept of disaster & hazard, effect of disaster on environment
2. Concept, stages, principles & importance of Environmental Impact Assessment(EIA)

Practical:

Marks-20

3. The Project Report based on any one case studies among the following – Flood/ Drought/ Cyclone/ Earthquake/ Landslides/ Human Induced Disasters: Fire Hazards, Chemical, Industrial accidents

Viva-voce (5), Project Report Internal (6) and External Evaluation (20) and Attendance (4)

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Guidelines for the preparation of the Field Report:

- The Project Report is to be conducted after the completion of the 2nd semester examination.
- Preparation of Project Report is compulsory.
- Project Report included (Title, Introduction, Objectives, Methods, Database, Timeframe, Result and Discussion, Findings, Conclusion and Reference)
- The Report must contain a certificate from the supervisor(s) that it is a bonafide work prepared by the candidate concerned.
- The Field Report should be of A4 size and hard bound.
- The Report must not exceed 30 pages containing maps and diagrams, tables and picture.
- A single page may contain several diagrams/graphs/maps as required for proper presentation of the findings.
- Separate sheets for photographs can be used.
- Tables may be incorporated within the writing portions as per relevance and requirement.
- The Report should be computer written using MSWord, Times New Roman as the Font type with font size: 12 and doubly spaced singly printed.

Suggested Readings

1. Chandna R. C., 2002: *Environmental Geography*, Kalyani, Ludhiana.
2. Cunningham W. P. and Cunningham M. A., 2004: *Principals of Environmental Science: Inquiry and Applications*, Tata Macgraw Hill, New Delhi.
3. Goudie A., 2001: *The Nature of the Environment*, Blackwell, Oxford.
4. Singh, R.B. (Eds.) (2009) *Biogeography and Biodiversity*. Rawat Publication, Jaipur
5. Miller G. T., 2004: *Environmental Science: Working with the Earth*, Thomson BrooksCole, Singapore.
6. MoEF, 2006: *National Environmental Policy-2006*, Ministry of Environment and Forests, Government of India.

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7. Singh, R.B. and Hietala, R. (Eds.) (2014) *Livelihood security in Northwestern Himalaya: Case studies from changing socio-economic environments in Himachal Pradesh, India*. Advances in Geographical and Environmental Studies, Springer
8. Odum, E. P. et al, 2005: *Fundamentals of Ecology*, Ceneage Learning India.
9. Singh S., 1997: *Environmental Geography*, Prayag Pustak Bhawan. Allahabad.
10. UNEP, 2007: *Global Environment Outlook: GEO4: Environment For Development*, United Nations Environment Programme.
11. Singh, M., Singh, R.B. and Hassan, M.I. (Eds.) (2014) *Climate change and biodiversity: Proceedings of IGU Rohtak Conference, Volume 1*. Advances in Geographical and Environmental Studies, Springer
12. Singh, R.B. (1998) *Ecological Techniques and Approaches to Vulnerable Environment*, New Delhi, Oxford & IBH Pub.