Maratha Vidya Prasarak Samaj's

Arts, Science & Commerce College, Ozar (MIG)

Tal. Niphad, Dist: Nashik - 422206

Department of Geography

Field visit report

Dhodap Trekking Camp

2017-18

Department of geography has organized trekking camp to the historical fort Dodap in the academic year 2017-18. Dhodap is one of the hill forts in Nashik district of Maharashtra state. It is situated in Chandwad Taluka and its height is 4829 ft. above mean sea level. Its height is the second highest fort in the Sahyadri Mountains after Salher fort.

Field visit or village survey is mandatory to the class of S.Y. and T.Y.B.A. students in their syllabus of SPPU. It is for 15 marks at S.Y.B.A. and 10 marks for T.Y.B.A.in practical Geography. The following Physical features, Tourist points and vegetation species have been observed in the trekking camp.

1) Hatti Village
2) Aim of construction of the Fort
3) Physical environment of the trekking location.
4) Historical important of the fort.
5) Biodiversity of Trekking place.
6) Environmental awareness among the trekkers.
7) Fort trekking.

This type of field visits familiarizes the students with the surrounding geographical features, flora and fauna of the region, erosional and depositional landforms created by various agents. It also introduces the students with settlement pattern, economic activity, social and cultural aspect of visiting stations.

HOD

Department of Geography
Arts, Science & Commerce College,
OJHAR (MIG)

Savitribai Phule Pune University, Pune
T.Y.B.A
Gg. 301: Techniques of Spatial Analysis (S-4)
Effective from-June-2015

Workload: Six periods per week per batch (12 students for per Batch)
(Examination for the course will be conducted at the end of academic year).

Objectives:

1. To Introduce the Students with SOI Toposheets and to acquire the Knowledge of Toposheet Reading/Interpretation.
2. To familiarize the students with the weather instruments and their applications in Geographical phenomena.
3. To acquaint the students with IMD weather maps and to gain the knowledge of weather map Reading / interpretation.
4. To train the students in elementary statistics as an essential part of geography.
5. To awareness about GIS among the students.

Section - I

Unit No.	Topic	Learning Points	Periods
1	Toposheets	a. Introduction to Survey of India (SOI) toposheets, Marginal Information, Grid reference, Conventional signs and symbols b. Types of toposheet/Indexing of toposheets i. 1: 1000000/Million sheet ii. 1:250000/Degree sheet/Quarter inch sheet iii. 1:100000/Half inch sheet iv. 1:50000/One inch sheet v. 1:25000 vi. 1: 5000	15
2.	Methods of Relief Representation	1. Methods of Relief Representation a. Qualitative :- Hachures, Hill shading, Layer Tint b. Quantitative:- Contours, Form lines, Bench Marks, Spot Heights, Triangulation Mark, Relative Height (r) 2. Representation of Relief features by Contours a. Concave Slope, Convex Slope, Steep Slope, Gentle Slope, Terraced / Uniform b. Conical Hill, Spur, Plateau, Ridge, Saddle, Pass, Cliff & Waterfall 3. Profile a. Drawing and Description of Cross Profile of any Region from toposheet b. Drawing and Description of Longitudinal Profile of a Road or a River	15
3.	Toposheet Reading, Interpretation & data generation	1. Reading of at least three SOI toposheets one each for Plain, Plateau and Mountainous/hilly Region 2. One day field Excursion for Orientation of toposheet, Observation and Identification of Geographical Features and Preparation of a Brief Report	15

4.	Application of Remote Sensing Techniques in Geography	1. Introduction of Aerial Photographs & Satellite Image 2. Stereoscopic View of Aerial Photographs & Satellite Image and Identification of Geographical features 3. Use of Computer open source software for visualization of Arial Photographs & Satellite Image	15
		Section - II	
5.	Weather Maps & Reading	a. Introduction to Weather Maps b. Symbols in Daily Weather Report used by India Meteorological Department (IMD) c. Isobaric pattern Cyclones, Anti cyclones, V shaped Cyclones, V Shaped Anti Cyclones , Col a. Reading of Weather Map of Three Seasons i. Summer ii. Monsoon iii. Winter b. One day visit to nearby weather station of IMD	12
6.	Geographical Data & Measures of Central Tendency	a. Spatial and Temporal data b. Discrete and Continuous series c. Grouped and Ungrouped data d. Meaning and description of central tendencies- Mean, Mode, Median e. Calculation of Mean, Mode, Median for ungrouped and grouped data (two examples each)	12
7.	Measures of dispersion	a. Variance and Standard deviation for ungrouped and grouped data (two examples each)	06
8.	Correlation & Regression Testing of Hypothesis,	a. Correlation and regression i. Concept of bivariate correlation and regression ii. Meaning of coefficient of correlation iii. Calculation of Pearson's Product-Mount iv. Correlation Coefficient (Two examples) v. Calculation of Spearman Rank order vi. Coefficient (Two examples) b. Parametric and Non-parametric tests i. Chi-square test (One-sample case only) ii. Student's t-test (Comparison of sample means)	10
9	Field Excursion/ Village Survey Report	a. One short tour of two days duration and preparation of tour report OR One long tour of more than five days duration anywhere in the country and preparation of tour report OR Village survey and preparation of report	20

Suggested Reading:

1. Aher A.B., Chodhari A. P. & Bharambe S.N. Techniques of Spatial Analysis Prashant Publication Jalgaon 2015
2. David Unwin, Introductory Spatial Analysis, Methuen, London, 1981.
3. Gregory, S. Statistical Methods and the Geographer, Longman, London, 1978.
4. Hammond R and P.S. McCullagh Quantitative Techniques in Geography: An Introduction, Clarendan Press, Oxford, 1974.
5. John P.Cole and Cuchlaine A. M. King, Quantitative Geography, John Wiley, London, 1968.
6. Johnston R. J., Multivariate Statistical Analysis in Geography, Longman, London. 1973.
7. Koutsoyiannis, Theory of Econometrics, Mcmillan, London, 1973.
8. Maurice Yeats, An Introduction to Quantitative Analysis in Human Geography, McGraw Hill, New York, 1974.

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Department of Geography
Dhodap Fort Field Visit- Sept.2017
List of Participants

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5	Gotarne Tushar Rajaram	20	8378927426	TYBA	K .Sukena
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10	Devkar Ankita Subhash	20	7350854381	TYBA	KH.Sukena
11	Savkar Khushali Motiram	19	9820229041	TYBA	Adgaon
12	Charoskar Savita Dattatray	20	9923188050	TYBA	Jaluke
13	Keng Sarika Kondaji	21	9881324589	TYBA	Janori
14	Keng Roshani Somanath	21	9139393995	TYBA	Janori
15	Nehare Shilpa Rajkumar	20	8411981405	TYBA	Janori
16	Mhaisdhune Komal Satish	20	9762966605	TYBA	Ozar
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18	Zhalte Sheetal Sanjay	20	9527895938	FYBSC	Ozar Mig
19	Fugat Manisha Vasant	20	7410144481	FYBSC	Ozar Mig
20	Kadam Abhimanyu Bhaskar	20		FYBSC	Ozar Mig
21	Sayyad Arbaz Rasul	20	9673811101	FYBSC	KokanGaon
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