

University of Mumbai

As per NEP 2020

Vocational Skill Course (VSC)

F.Y.B.A. / B.Sc. Geography (From academic Year 2024-2025)

SEMESTER- II

Title: - TOOLS AND TECHNIQUES OF SPATIAL ANALYSIS – II (Practical)

Course Credits: 02

Course Code:

Pre-requisite:

Students are aware of the use of data and information in day-to-day life.

Course Objectives:

Learners will be able to:

1. Acknowledge the importance and use of data.
2. Understand and compile the different types of data.
3. Use of data collection, representation and interpretation of different data.
4. Develop the observation, demonstration, compilation and representation skills.

Course Outcomes:

After completion of this course the learner will be able to:

1. Recognize the importance and use of data in day-to-day life.
2. Develop skills in data collection, representation and interpretation.
3. Reevaluate the uses of multiple techniques for data presentation in decision-making.
4. Develop the observation, compilation, analysis and reading skills.

Course Content:

Unit	Topics	Hours
I	Geographical Data: Types and Collection	07
1.1	Meaning and Types of Geographic Data	
1.2	Sources of Data	
1.3	Methods of Primary Data Collection: Questionnaire	
II	Data Processing	07
2.1	Data processing: Classification and Tabulation	
2.2	Frequency Distribution: Frequency Tally, Histogram	
2.3	Frequency Polygon and Ogive Curve	
III	Techniques of Data Representation	08
3.1	Simple Line graph, Multiple Line graph	
3.2	Simple bar graph, Multiple bar graph	
3.3	Proportionate circles, Divided Circles	
IV	Techniques of Data Representation	08
4.1	Band Graph	
4.2	Divided Bar Graph	
4.3	Proportionate Squares	
		30

References:

1. Monkhouse F.J. - Maps & Diagrams, Methuen and Co., London, 1971 (3rd Edition, Revised).
2. Peter A. Rogerson - Statistical Methods for Geography, Sege Publishers -2001
3. Robinson, A.H. and Sale, R. D.: Elements of Cartography. John Wiley and Sons, Inc, New York 1969
4. Henry McCormick - Practical Work in Geography: For the Use of Teachers and Advanced Pupils – Legare Street Press, 2018
5. NCERT - Practical Work in Geography Part - 1 Textbook for Class - 11
6. NCERT - Practical Work in Geography Part - 2 Textbook for Class – 12
7. Khullar D. R. - Essential of Practical Geography Paperback – 1 January 2019, Chaukhamba Auriyantaliya Publisher, 2015
8. Singh L. R. - Fundamentals of Practical Geography, Sharda Pustak Bhawan, Allahabad, 2010
9. Saha Pijushkanti & Basu Partha - Advanced Practical Geography - BOOKS & ALLIED Limited, 2013
10. Sarkar Ashish - Practical Geography, Orient Black Swan – 2015
11. Sarkar Ashish –Quantitative Geography, Orient Black Swan – 2013
12. Singh R.L. & Singh P. B. - Elements of Practical Geography, Kalyani Publishers 2005
13. Stoddard Robert – Field techniques and research methods in geography, Geography faculty publication <http://digitalcommons.unl.edu/geographyfacpub/26>
14. अर्जुन कुंभार : प्रात्यक्षिक भूगोल - सुमेरू प्रकाशन, डोंबिवली, ठाणे (2 003)

QUESTION PAPER PATTERN (Geography)

(External and Internal)

EXAMINATION PATTERN FOR THEORY PAPER (SEMESTER I and II)

<u>A) Continuous Internal Assessment (40 Marks)</u>		
Sr. No.	Particular	Marks
1	One Assignment/Project work/Case study /Presentation /Seminar /Field visit report/Book review etc. to be conducted in the given semester before the Semester end examination.	20
2	One online/ offline class test	10
3	Active participation in regular class instructional deliveries and fieldwork.	05
4	Overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing environment-related activities	05
B) Semester End Examination (60 Marks):		
1. These examinations shall be of 2 Hours duration. Maximum marks 60.		
2. There shall be four questions each of 15 marks. On each unit, there will be one question as per the directive of BOS.		
3. All questions shall be compulsory with internal choice within the questions. (Each question will be of 15 marks with options.)		

EXAMINATION PATTERN FOR PRACTICAL PAPER (SEMESTER I and II)

<u>A) Continuous Internal Assessment (40 Marks)</u>		
Sr.No.	Particular	Marks
1	Journal and Viva	20
2	One online/ offline class test	10
3	Active participation in regular class instructional deliveries and fieldwork.	05
4	Overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing environment-related activities	05
B) Semester End Examination (60 Marks):		

॥ सा विद्या या विमुक्तये ॥

Yuvak Vikas Mandal's

Arts, Commerce, Science College, Bhalavali

Affiliated to University of Mumbai

Tal-Rajapur, Dist-Ratnagiri, Pin 416707.

भूगोल विभाग

मुंबई विद्यापीठ NEP 2020 नुसार

व्यावसायिक कौशल्य अभ्यासक्रम (VSC)

F.Y.B.A. / B.Sc. भूगोल (शैक्षणिक वर्ष 2024-2025 पासून)

सेमिस्टर- II कोर्स क्रेडिट्स: 02

शीर्षक:- अवकाशीय विश्लेषणाची साधने आणि तंत्र – II (व्यावहारिक)

सेमिस्टर- II

क्र.	घटकाचे नाव	तासिका
1	भौगोलिक डेटा: प्रकार आणि संकलन	
	1.1 भौगोलिक माहितीचा अर्थ आणि प्रकार 1.2 माहितीचे स्रोत 1.3 प्राथमिक माहिती संकलनाच्या पद्धती: प्रश्नावली	07
2	माहिती प्रक्रिया	
	2.1 माहिती प्रक्रिया: वर्गीकरण आणि सारणी 2.2 वारंवारता वितरण: वारंवारता टॅली, हिस्टोग्राम 2.3 वारंवारता बहुभुज आणि ओगिक् वक्र	07
3	डेटा रिप्रेझेंटेशनचे तंत्र	
	3.1 साधा रेषा आलेख, एकाधिक रेषा आलेख 3.2 साधा बार आलेख, एकाधिक बार आलेख 3.3 आनुपातिक वर्तुळ, विभाजित वर्तुळ	08
4	डेटा रिप्रेझेंटेशनचे तंत्र	
	4.1 पट्टी आलेख 4.2 विभाजित बार आलेख 4.3 आनुपातिक चौरस	08

प्रश्नपत्रिका नमुना (भूगोल)
(बाह्य आणि अंतर्गत)
परीक्षेचा नमुना VSC (सत्र II)
ब) सत्रांत परीक्षा (30 गुण)

1. या परीक्षा 01 तासांच्या असतील. कमाल गुण 30.
2. प्रत्येकी 10 गुणांचे चार प्रश्न असतील. प्रत्येक युनिटवर एक प्रश्न असेल. (कोणतेही तीन सोडवा.)
3. प्रश्नांमध्ये अंतर्गत निवडीसह सर्व प्रश्न अनिवार्य असतील.

प्रात्यक्षिक पेपरसाठी परीक्षेचा नमुना (सत्र II)

अंतर्गत मूल्यांकन (२० गुण)		
क्र.	मुख्य घटक	गुण
1	जर्नल	05
2	तोंडी परीक्षा	05
3	एक ऑनलाइन वर्ग चाचणी	05
4	नियमित वर्ग सक्रिय सहभाग	05