

As per NEP 2020



UNIVERSITY OF MUMBAI

S. Z. S. P. Mandal's

SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA

SAWANTWADI (Autonomous)

DIST: SINDHUDURG- 416 510, MAHARASHTRA



Syllabus for Approval

Diploma Course in Arts

B.A. (Geography)

Syllabus for

Sem-III & IV

Reference: GR dated 16th May 2023 for Credit structure

As per NEP 2020



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Diploma Course in Arts

B.A. (Geography)

Syllabus for

Sem-III

Reference: GR dated 16th May 2023 for Credit structure

UNIVERSITY OF MUMBAI



(As per NEP 2020)

Sr. No.	Heading	Particulars
1	Title of the Program	Diploma Course in Arts B.A. (Geography)
2	Eligibility for Admission	HSC
3	Duration of Program	4 Years
4	Intake Capacity	120
	Scheme of Examination	Theory: 60 Marks Internal : 40 Marks
5	Standard of Passing	40 %
6	Program Academic Level	5.0
7	Pattern	Semester
8	Status	New
9	To be implemented from Academic Year	2024 -2025

Sign of HOD / Co-ordinator

Sign of Dean

Dr. Sudhir M. Buva

Faculty of Arts

Department of Geography

PREAMBLE

Introduction:

S. P. K. Mahavidyalaya, Sawantwadi (Autonomous) believes in implementing several measures to bring equity, efficiency and excellence in higher education system in conformity to the guidelines laid down by the University Grants Commission (UGC). In order to achieve these goals, all efforts are made to ensure high standards of education by implementing several steps to enhance the teaching- learning process, examination and evaluation techniques and ensuring the all-round development of learners.

The Three-year course in B.A. Geography has been designed to have a progressive and innovative curriculum in order to equip our learners to face the future challenges in the field of higher education. In semesters I and II learners are introduced to the basic areas of Geography such as Human Geography, Map Scale, Thematic Maps and SOI maps

In semesters III and IV the course content is made more rigorous by introducing the details of each of the above area. In semesters V and VI, course are designed to help in specialization in the core areas of Geography such as Geomorphology, Climatology, Rural and Urban Settlement, Environmental Geography, Geography of Resources, Climatology Oceanography, Map Projection, Population Theories, Geographical Information System and Remote Sensing.

OBJECTIVES:

- To introduce the students' basic concepts in Geography.
- To develop practical skill in Geography using range of activities such as Weather Station Visit and Study Tour.
- To inculcate a research attitude by involving learners in simple research project, review of research articles.
- To enhance knowledge of Geography through problem solving, tutorials and seminars
- To acquaint the students with various branches of Geography
- To help learners to plan a progressive and successful career in Geography

Program Outcome:

After successful completion of this programme learners will be able to

- Understand, coherently and effectively about various genres of Geography.
- Understanding the diverse concepts in the field of Geography.
- Understand global and regional patterns of cultural, political and economic institutions, and their effects on exploitation of natural resources and landscapes.
- Understand need for protection and conservation of natural resources.
- Develop basic skills in practical Geography and its industrial applications.

Program Specific Outcome:

After successful completion of this programme (Geography) learners are able to

- Develop the knowledge of basic concepts in Geography.
- They will have a general understanding about the geomorphologic and geotectonic process and formation.
- Get a hold on higher educational opportunities like post-graduation in Geography.
- They will gather knowledge about the fundamental concepts of Geography
- Explore research areas in Geography and related fields.



SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA SAWANTWADI (Autonomous)

DEPARTMENT OF GEOGRAPHY

Proposed List of Major, Minor, Open Elective, Skill Enhancement Course, Ability Enhancement Compulsory Course, Indian Knowledge System Course, Vocational Skill Course, Details of Semesters

(To be implemented from Academic Year 2024-25)

Program: Diploma Course

Class: BA

Semester: III

Sr. No.	Course Code	Title of the Course	Category of Course	No. of Lecture Hours	No. of Lectures per Unit	Teaching Hours per week (L+P)	SEE	CIE	Total Marks	No. of Credits
1	MJA201GET	Agricultural Geography of India	Major	60	15	04+00	60	40	100	4
2	MJA202GET	Introduction to Geomorphology	Major	60	15	04+00	60	40	100	4
3	MNA201GET	Agricultural Geography of India	Minor	60	15	04+00	60	40	100	4
4	MNA202GET	Introduction to Geomorphology								
A student opting Geography as a Minor Subject may select any one of the Major Courses										
5	GEOE204	Basic Concept in Geography for Competitive Exam-IV	OE	30	15	02+00	30	20	50	2
6	GEVS203	Tools and Technique in Geography -III	VSC	60	30	00+04	30	20	50	2
7	GEVE203	Environmental Education-III	VECC	30	15	02+00	30	20	50	2
Sub - Total				300	105	16 +04	270	180	450	18

Notes:

One Hour of Lecture is equal to 1 Credit
 One Hour of Tutorial is equal to I Credit
 One Hour of Practical is equal to 1 Credit

Acronyms Expanded

MJ : Major
 MN : Minor
 OE : Open Elective Course
 SEC : Skill Enhancement Course
 VECC : Value Education Compulsory Course
 IKS : Indian Knowledge System
 VSC : Vocational Skill Course
 SEE : Semester End examination
 CIE :- Continuous Internal Evaluation
 L+P : Lecture + Practical(s)

Credit Structure of the Program Arts Faculty

Level	Class	Sem	Major (Mandatory)		Major (Elective)		Minor		Open Elective		Vocational Skill Courses / Skill Enhancement Courses		Ability Enhancement Courses/Value Education Courses/Indian Knowledge System		Field Project/Internship/Community Engagement/Co-curricular Courses		TOTAL CREDITS	Degree		
			MAJOR SUBJECTS	TOTAL CREDITS	MAJOR SUBJECTS	TOTAL CREDITS	MINOR COURSES	TOTAL CREDIT	OPEN ELECTIVE COURSES	TOTAL CREDITS	VSEC COURSES	TOTAL CREDITS	AEC,VEC, IKS COURSES	TOTAL CREDITS	DETAILS OF FP/CE/CC	TOTAL CREDITS				
4.5	FYBA	I	MJ-01	4	-	0	MN-01	4	OE-1	2	SEC	2	AEC(CS)	2	CC /NSS/NCC Studies/DLLE	2	22	Exit Option : Award of UG Certificate in Major with 44 Credits and an additional 4 credits Core NSQF course/ Internship or Continue with Major and Minor		
											VSC	2	VEC(EVS)	2						
		II	MJ-02	4	-	0	MN-02	4	OE-2	4	SEC	2	AEC(CS)	2	CC /NSS/NCC Studies/DLLE	2	22			
									OE-3	4	VSC	2	VEC(EVS)	2						
5	SYBA	III	MJ-03	8	-	0	MN-03	4	OE-4	2	VSC	2	AEC(BC)	2	CC /NSS/NCC Studies/DLLE	2	22			
			MJ-04										VEC(EVS)	2						
		IV	MJ-05	8	-	0	MN-04	4	OE-5	2	SEC	2	AEC(BC)	2	CC /NSS/NCC Studies/DLLE	2	22			
			MJ-06								VSC	2								
5.5	TYBA	V	MJ-07	16	MJE-01	4	MN-05	2									22	Exit Option : Award of UG Degree in Major with 132 Credits or Continue with Major for Honours/ Research		
			MJ-08																	
			MJ-09																	
			MJ-10																	
		VI	MJ-11	16	MJE-02	4									RP-1	2	22			
			MJ-12																	
			MJ-13																	
			MJ-14																	
Total Credits			Major 56+8=64				Minor	18	OE	10	VSEC	14	AEC,VEC,IKS	16		10	132			
6	Fourth Year of BA	VII	MJ-15	12	MJE-03	4	MN-06	4									22	Award of Bachelor of Arts Degree with Honours (with the completion of Courses equal to a minimum of 176 credits)		
			MJ-16																	
			MJ-17																	
			MJ-18																	
		VIII	MJ-19	12	MJE-04	4											RP-2		4	22
			MJ-20																	
			MJ-21																	
			MJ-22																	
Total Credits			Major 84+16=100				Minor	22	OE	10	VSEC	14	AEC,VEC,IKS	16		14	176			

Title of the Programme

Diploma Course in Arts (B.A. Geography)



Committee for Creation of Syllabus

Sr. No.	Name of the Faculty	Qualification	Area of specialization	Name of the College	Nomination
01	Dr. Sudhir Murlidhar.Buva	M.A, SET, M. Phil, Ph.D.	Medical Geography	HOD, Dept. of Geography, SPK College, Sawantwadi,	Chairman
02	Miss. Harshda Sanjay Parab	M.A		(CHB) Dept. of Geography, SPK College, Sawantwadi,	Faculty Member
03	Prof.Dr. Sambhaji Dnyaneshwar Shinde	M.A, Ph. D.	Environmental Geography, Agricultural Geography & Remote Sensing	Dept. of Geography, Shivaji University,Kolhapur	Subject Expert from outside the Parent University Nominated by Academic Council
04	Dr.Prabir Kumar Rath	M.A., C.P.S., M.Phil., Ph.D.	Regional Planning & Tourism Geography	HOD, Dept. of Geography, Government College, Khandola,Marcela,Goa	Subject Expert from outside the Parent University nominated by Academic Council
05	Dr.Sameer Arun Butala	M.A, Ph.D.	Geoinformatics	HOD, Dept. of Geography, Sundharrao More College,Poladpur,Dist-Raigadh	Subject Expert nominated by Vice Chancellor
06	Mr. Pranav Chintaman Raut	M.A (Geog.) SOI Course	Geoinformatics	Director, Mahi Geoinformatics Consultancy (OPC)Pvt. Ltd.& UAV Academy Pvt.Ltd.	Representative from Industry/Corporate sector/ allied area relating to placement nominated by the Principal
07	Mrs. Poonam Ninad Naik	M.A, B.Ed.		R.S.B. Jr. College, Sawantwadi	College Alumni nominated by Principal
08	Mr.Sudhir Shrikant Risbud	B.E. (Electrical Engineering)	Researcher of Petroglyphs in Sindhudurg	President of Nisarg Yatri Sanstha,Ratnagiri	Expert from the outside the college nominated by the Principal

Sign of HOD / Co-ordinator

Dr. Sudhir M. Buva
Department of Geography

Sign of Dean

Faculty of Arts

Letter Grades and Grade Points:

Semester GPA / Programme CGPA Semester/ Programme	% of Marks	Alpha-Sign/ Letter Grade Result
9.00 - 10.00	90.0 - 100	O (Outstanding)
8.00 - < 9.00	80.0 - < 90.0	A+ (Excellent)
7.00 - < 8.00	70.0 - < 80.0	A (Very Good)
6.00 - < 7.00	60.0 - < 70.0	B+ (Good)
5.50 - < 6.00	55.0 - < 60.0	B (Above Average)
5.00 - < 5.50	50.0 - < 55.0	C (Average)
4.00 - < 5.00	40.0 - < 50.0	P (Pass)
Below 4.00	Below 40.0	F (Fail)
AB (Absent)	-	Absent



Sign of HOD / Co-ordinator

Sign of Dean

Dr. Sudhir M. Buva

Faculty of Arts

Department of Geography

Appendix B
Justification for (Title of the new course)

1.	Necessity for starting the course:	As per the provisions of NEP 2020 accepted by Maharashtra Government, It is necessary to start this course.
2.	Whether the UGC has recommended the course:	Yes
3.	Whether all the courses have commenced from the academic year 2023-24	Yes
4.	The courses started by the University are self-financed, whether adequate number of eligible permanent faculties are available?	It is aided and grantable. Yes, adequate number of teachers are available for this course.
5.	To give details regarding the duration of the Course and is it possible to compress the course?	
6.	The intake capacity of each course and no. of admissions given in the current academic year:	Admission is under process
7.	Opportunities of Employability / Employment available after undertaking these courses:	Lots of opportunities are available in both Government and Private sectors. The course is also useful for self-employments and startups creation

Sign of HOD / Co-ordinator

Sign of Dean

Dr. Sudhir M. Buva
Department of Geography

Faculty of Arts

**Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25**

(Major/Minor Course) MJ/MNA201GET: GEOGRAPHY

Agricultural Geography of India

1. Syllabus as per NEP 2020:		
i)	Name of the Programme	: Diploma Course in Arts
ii)	Course Code	: (Major/Minor Course) MJ/MNA201GET
iii)	Course Titles	: Agricultural Geography of India (Semester III)
iv)	Credit Structure	: No. of Credits per Semester – 04
v)	No. of lectures per Unit	: 15
vi)	No. of lectures per week	: 04
2.	Scheme of Examination	<ul style="list-style-type: none"> • Written Exam: 4 Questions of 15 Marks each : 60 Marks • Internal Assessment: 40 marks Total : 60 + 40 =100

**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA201GET: GEOGRAPHY**

**To be implemented from the Academic year 2024-25
Course Title: Agricultural Geography of India
SEMESTER III**

Objectives:

1. To acquaint students with the importance of agriculture in human civilization.
2. To understand the physical and human factors affecting agriculture.
3. To know the types of agriculture and its spatial distribution pattern in the world.
4. To study the issues related with agriculture and suggest remedial measures to overcome them.

Programme Outcomes:

1. Understand, coherently and effectively about various genres of Geography.
2. Understanding the diverse concepts in the field of Geography.
3. Understand global and regional patterns of cultural, political and economic institutions, and their effects on exploitation of natural resources and landscapes.
4. Understand need for protection and conservation of natural resources.
5. Develop basic skills in practical Geography and its industrial applications.

Course Outcomes:

1. Introduced the students to the basic principles and concepts in Agriculture Geography
2. Acquainted with the applications of Agriculture Geography in different areas and development.
3. Incorporated and understand the various factors of Agriculture development.
4. Acquainted with the dynamic aspect of Agriculture Geography.

**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA201GET: GEOGRAPHY**

Course Title: Agricultural Geography of India

SEMESTER III

No. of Credits - 04

COURSE CODE: MJ/MNA201GET

Course code	Unit	Topics	Credits	Lecture
MJ/MNA201GET (Major /Minor Course)	I	Introduction to Agricultural Geography <ul style="list-style-type: none"> • Definition, nature and scope of Agricultural Geography • Approaches of Agricultural Geography • Origin of agriculture, major gene centers • Diffusion and change in agriculture 	04	15
	II	Determinants of Agriculture and its types <ul style="list-style-type: none"> • Physical and economic factors • Socio-cultural and political factors, role of technology • Agricultural land use model of Von Thunen's • Types of subsistence & commercial agriculture 		15
	III	Agricultural Problems and Sustainability of Agriculture <ul style="list-style-type: none"> • Environmental, socio-cultural and economic problems related with agriculture. • Green revolution : Concept and its impact • Agricultural policies and programmes • Sustainable agricultural practices 		15
	IV	Recent Trends in Agriculture <ul style="list-style-type: none"> • Impact of Globalization on Agriculture • Seed Technology: HYV, Tissue & Nano Cultural • Modern trends in industrial crops: horticulture, floriculture, sericulture, Poly house etc. • Organic Farming: Nature, Methods & Importance 		15
		Total	04	60

References:

1. Bansil, B. C. (1975): 'Agricultural Problems of India', Delhi.
2. Bayliss Smith, T.P. (1987) The Ecology of Agricultural Systems. Cambridge University Press, London.
3. Berry, B.J.L. et. al. (1976) : The Geography of Economic Systems. Prentice Hall, New York.
4. Gregor, H.P.: Geography of Agriculture. Prentice Hall, New York, 1970.
5. Grigg, D. (1984): 'An Introduction to Agricultural Geography', Hutchinson Publication, London
6. Grigg, D.B.(1974) : The Agricultural Systems of the World. Cambridge University Press,

New York.

7. Hartshorn, T.N. and Alexander, J.W. (1988): Economic Geography. Prentice Hall, New Delhi.
8. Morgan, W. B. and Munton, R. J. C. (1977): 'Agricultural Geography' Methuen, London.
9. Morgan, W.B.(1978): Agriculture in the Third World - A Spatial Analysis. Westview Press, Boulder.
10. Singh J.(1997): Agricultural Development in South Asia: A Comparative A Study in the Green Revolution Experiences, national Books Organization, New Delhi.
11. Singh, J. and Dhillon, S. S. (1984): 'Agricultural Geography', McGraw Hill, New Delhi.
12. Singh, J. and Dhillon, S.S. (1988), "Agricultural Geography", 2nd edition, Tata McGraw-Hill, New Delhi
13. The Hindu (2006): Survey of Indian Agriculture 2006. New Delhi.
14. ए. बी. सवदी (2009): कृषी भूगोल, निराली प्रकाशन, पुणे
15. डॉ. विठ्ठल घारपुरे (2013): कृषी भूगोल,, पिंपळपुरे अकॅडेमी, नागपूर
16. ठाकुर,पाटील,धुरी-(2014): कृषी भूगोल, हिमालय प्रकाशन, मुंबई



**Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25**

(Major/Minor Course) MJ/MNA202GET: GEOGRAPHY

Introduction to Geomorphology

1. Syllabus as per NEP 2020:	
i) Name of the Programme	: Diploma Course in Arts
ii) Course Code	: (Major/Minor Course) MJ/MNA202GET
iii) Course Titles	: Introduction to Geomorphology (Semester III)
iv) Credit Structure	: No. of Credits per Semester – 04
v) No. of lectures per Unit	: 15
vi) No. of lectures per week	: 04
2. Scheme of Examination	: <ul style="list-style-type: none"> • Written Exam: 4 Questions of 15 Marks each : 60 Marks • Internal Assessment: 40 marks Total : 60 + 40 =100

**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA201GET: GEOGRAPHY**

**To be implemented from the Academic year 2024-25
Course Title: Introduction to Geomorphology
SEMESTER III**

Objectives:

1. To define the concepts in Geomorphology and Physical Geography.
2. To introduce various concept to understand cycles of the solid Earth surface.
3. To understand the mechanism of dynamic nature of earth's surface
4. To study the impact of human on geomorphic system.

Programme Outcomes:

1. Understand, coherently and effectively about various genres of Geography.
2. Understanding the diverse concepts in the field of Geography.
3. Understand global and regional patterns of cultural, political and economic institutions, and their effects on exploitation of natural resources and landscapes.
4. Understand need for protection and conservation of natural recourses.
5. Develop basic skills in practical Geography and its industrial applications.

Course Outcomes:

After the completion of this course, student should be able to:

1. To define the field of Geomorphology and to explain the essential principles of Geomorphology.
2. To know the mechanism of dynamic nature of earth's surface and it's interior.
3. To illustrate and explain the forces affecting the crust of the earth and its effect.
4. To understand the conceptual and dynamic aspects of landform development.

**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA201GET: GEOGRAPHY**

Course Title: Introduction to Geomorphology

SEMESTER III

No. of Credits - 04

COURSE CODE: MJ/MNA202GET

Course code	Unit	Topics	Credits	Lecture
MJ/MNA202GET (Major /Minor Course)	I	Introduction to Geomorphology <ul style="list-style-type: none"> • Introduction to Geomorphology - Definition, Nature and Scope. • Wegner’s Continental Drift Theory • Plate Tectonic Theory 	04	15
	II	Earth movements <ul style="list-style-type: none"> • Endogenic forces - types of folds and faults • Earthquake: causes, effects, and distribution. • Earthquakes in India • Volcanoes:Types, causes, effects and distribution 		15
	III	Mass Movement and Minerals <ul style="list-style-type: none"> • Mass Movement - meaning & factors • Classification of Mass Movement • Minerals types – Silicate & Non Silicate • Physical characteristics of minerals 		15
	IV	Evolution of Landforms <ul style="list-style-type: none"> • Fluvial,- Erosional and depositional features of River • Glacial - Erosional and depositional features of glacier • Aeolian - Erosional and depositional features of wind • Coastal - Erosional and depositional features of sea waves 		15
		Total	04	60

References:

1. Ahmed E. (1985) Geomorphology, Kalyani Publishers, New Delhi.
2. A.N. Strahler (1968) The Earth Sciences, Harper & Row Intl. Edn, New York
3. Dayal P. (1995) A Text Book of Geomorphology 2nd Edition. Sukla Book/Dept. Patna
4. Lal D.S. (2009) Physical Geography, Sharda Pustak Bhavan, Allahabad.
5. Hussain Majid (2001) Fundamentals of Physical Geography, Rawat Publications, Jaipur.
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7. Qazi S.A. (2009) Principles of Physical Geography, A.P.H. Publication, New Delhi.
8. Savindra Singh (2015) Physical Geography, Pravalika Publication, , Allahabad.

9. Thornberry W.D. (1969) Principles of Geomorphology 2nd Edition, Wiley International Edn. & Wiley Eastern Reprints 1984.
10. Vishwas S. Kale, Avijit Gupta (2018), Introduction to Geomorphology, Universities Press.
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17. डॉ. विठ्ठल घारपुरे (2001): प्राकृतिक भूगोलाची मूलतत्वे, पिंपळपुरे अॅकडेमी, नागपूर
18. रजनी देशमुख (2003): प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर
19. कोलते, भोयर, पुराणिक (2003): भूगोल शास्त्राची मूलतत्वे, विद्या प्रकाशन, नागपूर
20. यू. बी. पाठारे (2008): प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर
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22. ए. बी. सवदी आणि कोळेकर (2019): प्राकृतिक भूगोल, निराली प्रकाशन, पुणे



Question Paper Pattern of Major & Minor Subject
University of Mumbai
SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA SAWANTWADI
(Autonomous) Revised Syllabus w.e.f. Academic Year, 2024-25
S.Y.B.A. Geography, Semester- III

Scheme of Examination for Each Semester:

Continuous Internal Evaluation (CIE): 40 Marks

Sr. No.	Particulars	Marks
01	One Unit Tests	20 Marks
02	Home Assignment/ Book Review/Skit/ Presentation/Poster/Chart /Model Making	15 Marks
03	Attendance	05 Marks
	Total	40 Marks

Semester End Examination (SEE): 60 Marks

Duration: 2 hours		Marks: 60
N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.		
Q. 1	Unit-I	15 Marks
<i>OR</i>		
Q.1	Unit-I (Question may be divided in to A and B)	15 Marks
Q. 2	Unit-II	15 Marks
<i>OR</i>		
Q. 2	Unit-II (Question may be divided in to A and B)	15 Marks
Q. 3	Unit-III	15 Marks
<i>OR</i>		
Q. 3	Unit-III (Question may be divided in to A and B)	15 Marks
Q. 4	Unit-IV	15 Marks
<i>OR</i>		
Q. 4	Unit-IV (Question may be divided in to A and B)	15 Marks

Diploma Course in Arts Syllabus as per NEP 2020

To be implemented from the Academic year 2024-25

Course Title: Basic Concept in Geography for Competitive Exam-IV (Open Elective)

1. Syllabus as per NEP 2020:	
i) Name of the Programme	: Diploma Course in Arts
ii) Course Code	: GEOE204 (Open Elective)
iii) Course Titles	: Basic Concept in Geography for Competitive Exam-IV Semester IV
iv) Credit Structure	: No. of Credits per Semester – 04
v) No. of lectures per Unit	: 15
vi) No. of lectures per week	: 04
2. Scheme of Examination	<ul style="list-style-type: none">• Written Exam: 3 Questions of 10 Marks each= 30 Marks• Internal Assessment: 40 marksTotal : 60 + 40 =100

Revised Syllabus for SYBA

Course Title: Basic Concept in Geography for Competitive Exam-IV

(Open Elective)

To be implemented from 2024-25

Objectives:

This course is designed exclusively for the students preparing for the different competitive examinations including civil services, banking, railways, eligibility tests, and all other competitive examinations.

Course Outcomes:

After completion of the course the students will be able to:-

1. Understand the geographical features of India.
2. Introduce students with geographical aspects of India.

Students will be able to:-

1. Understand the basic concepts in Settlement and Economic Geography.
2. Familiarize with the settlement, industries and transportation.

No. of Credits - 02

COURSE CODE: GEOE204

Course code	Unit No	Topics	Credits	No. of Periods
GEOE204 (Open Elective)	I	Basic Concepts in Settlement Geography i. Settlement Geography :Nature ,Scope &Importance ii. Factors affecting on development of Settlements iii. Site and situation of rural settlements iv. Patterns of Urban Settlement		15
	II	Basic Concepts inEconomic Geography i. Economic Geography: Nature ,Scope & Importance ii. Meaning, classification of economics activities iii. Major Industries : Iron and Steel iv. Means and modes of transportation		15
		Total	02	30

Reference Books:

1. Chattopadhyay, B.C. Rural Development in India, 1985,
2. Sahu, B.K. (2003). Rural Development in India; Anmol Publishers, Delhi.
3. Mandal, R. B. (2001) Introduction to Settlement Geography, Concept Publications, New Delhi.
4. Singh, R. Y. (2005) The Geography of Settlement, Rawat Publication, Jaipur.
5. Singh R. L.- Readings in Settlement Geography- The National Geographical Society of India.
6. Hudson, Settlement Geography.
7. Gautam, A. (2010): "Advanced Economic Geography", ShardaPustakBhawan, Allahabad • Hartshorne T. & Alexander J.W.: "Economic Geography", Prentice New Delhi • Hodder, B. and Lee, R. (2008):"Economic Geography", Rawat Publishers, Jaipur
8. Ghosh. S. (2015): "Introduction to Settlement Geography", Orient Blackswan Private Limited, Hyderabad.
9. S.D.Maurya (2022) Urban Geography Sharda Pustak Bhawan Prayagraj U.P.
10. Alka Guantam (2015): Advanced economic geography Sharda Pustak Bhawan
11. R.knowled and J. Wareing (2010) Economic and Social geography ,Rupa publication India pvt. ltd. New Delhi
12. Saxena, H. (2016): "Economic Geography", Rawat Publishers, Jaipur
13. Datt, G. And Mahajan, A. (2016): "Datt and Sundaram's Indian Economy", S. Chand Publishing, New Delhi

14. सावंत प्रकाश (1998) नागरी भूगोल, फडके प्रकाशन कोल्हापूर.
15. सवदी ए.बी. (2010) नागरी भूगोल, निराली, प्रकाशन पुणे.
16. डॉ. विठ्ठल घारपुरे (2013): नागरी भूगोल,, पिंपळपुरे अकॅडेमी, नागपूर
17. खतीब के .ए. (2007) वसाहत भूगोल अजब प्रकाशन कोल्हापूर.
18. सवदी, कोळेकर, (2005) आधुनिक भूगोल, निराली प्रकाशन, पुणे
19. डॉ. विठ्ठल घारपुरे (2013): आर्थिक भूगोल,, पिंपळपुरे अकॅडेमी, नागपूर



Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25

Course Title: Environmental Education -III
(Value Education Course)

1. Syllabus as per NEP 2020:	
i) Name of the Programme	: Diploma Course in Arts
ii) Course Code	: GEVE203 – (Value Education Course)
iii) Course Titles	: Environmental Education –III (Semester III)
iv) Credit Structure	: No. of Credits per Semester – 02
v) No. of lectures per Unit	: 15
vi) No. of lectures per week	: 02
2. Scheme of Examination	: <ul style="list-style-type: none">• Written Exam: 3 Questions of 10 Marks each= 30 Marks• Internal Assessment: 20 marks<li style="text-align: right;">Total : 30 + 20 = 50

Revised Syllabus for SYBA
Course Title: Environmental Education -III
(Value Education Course)

To be implemented from 2024-25

Objectives:

1. To introduce the students about the nature of Environment.
2. To acquaint the students with fundamental knowledge of Environmental Problems.

Course Outcomes:

1. Understand the basic Environmental Problems Associated with Agriculture & Industrial
2. Familiarize with different processes associated with Environmental Movements.
3. Understand the basic concept of EIA, EPA & GST.
- 4.

No. of Credits - 02

COURSE CODE: GEVE203

SEMESTER-II

COURSE CONTENT				
Course Code	Unit No.	Content	No. of Credits	No. of Periods
GEVE2023 (Value Education Course)	I	Agriculture and Industrial Development i. Environmental Problems Associated with Agriculture: Loss of Productivity, Land Degradation ii. Uneven Food Production – Hunger, Malnutrition and Food Security – Sustainable Agricultural practices iii. Environmental Problems Associated with Industries pollution, Global warming, Ozone Layer Depletion , Acid rain iv. Sustainable Industrial practices – Green Business and Green Consumerism,	02	15
	II	Environmental Movements and Management i. Environmental movements in India ii. Environmental Management: Concept, need and relevance iii. Concept of ISO 14000 and 16000, Concept of Carbon Bank and Carbon Credit. iv. EIA – Environment Protection Acts – Concept and components of Geospatial Technology.		15
		Total	2	30

References:

1. Singh, S., Prayag. (1997). Environment Geography, Allahabad: Pustak Bhawan.
2. Gholap, T. N. (2000). Environment Science (Marathi), Pune: Nishikant Publications.
3. Goudie, A. (2001). The Nature of the Environment, Blackwell: Oxford Publication.
4. Chandana, R.C. (2002). Environmental Geography, Ludhiana: Kalyani Publication.
5. Miller, G.T. (2004). Environmental Science: Working with the Earth. Singapore: Thomson Books.
6. Odum, E.P. (2005). Fundamentals of Ecology, India: Ceneage Learning.

6. Saxena, H.M. (2004). Environmental Geography, Jaipur: Rawat Publications.
7. Saxena, H.M. (2007). Environmental Geography, Jaipur: Rawat Publications.
8. Singh, R.B. (2009). Biogeography and Biodiversity, Jaipur: Rawat Publications.
9. Kormondy, E. J. (2012). Concept of Ecology, PHI Learning Pvt. Ltd.
10. Sharma, P.D. (2015). Ecology and Environment, Meerut, New Delhi: Rastogi Publications.



Question Paper Pattern of OE & VEC
University of Mumbai
SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA SAWANTWADI
(Autonomous) Revised Syllabus w.e.f. Academic Year, 2024-25
Revised Syllabus for SYBA
Semester- III

Scheme of Examination for Each Semester:

Continuous Internal Evaluation (CIE): 20 Marks

Sr. No.	Particulars	Marks
01	Presentation/Seminar/ Home Assignment	15 Marks
02	Attendance	05 Marks
	Total	20 Marks

Semester End Examination (SEE): 30 Marks

Duration: 2 hours		Marks: 30
N.B. 1. All questions are compulsory and carry equal marks. 4. Use of Map Stencils and simple Calculator is allowed. 5. Attach appendix along with answer paper.		
Q. 1	Unit-I <i>OR</i> Unit-I	10 Marks
Q. 2	Unit-II <i>OR</i> Unit-II	10 Marks
Q. 3	Unit-I & II Short Notes (Any Two)	10 Marks

Certificate Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25

**Course Title: Tools and Techniques in
Geography -III
(Vocational Skill Course)**

1. Syllabus as per NEP 2020:		
i)	Name of the Programme	: Diploma Course in Arts
ii)	Course Code	: GEVS203 – (Vocational Skill Course)
iii)	Course Titles	: Tools and Techniques in Geography -III (Semester III)
iv)	Credit Structure	: No. of Credits per Semester – 02
v)	No. of lectures per Unit	: 30
vi)	No. of lectures per week	: 02
2.	Scheme of Examination	: Practical Exam: 3 Questions of 10 Marks each & 1 Questions of 20 Marks= 50 Marks

Revised Syllabus for SYBA
Course Title: Tools and Techniques in Geography -II
(Vocational Skill Course)
To be implemented from 2024-25

Objectives:

1. To introduce the students about the Tools and Techniques in Geography
2. To acquaint the students with fundamental knowledge of Tools and Techniques in Geography

Course Outcomes:

1. Remember the fundamentals of scale Techniques.
2. Understand the Meaning and types of Scale and Map Projection
3. Understand and able to solve the examples of Techniques of map scale
4. Understand and able to construct of Map Projection

No. of Credits - 02

SEMESTER-I

COURSE CODE: GEVS203

COURSE CONTENT				
Course Code	Unit No.	Content	No. of Credits	No. of Periods
GEVS203 (Vocational Skill Course)	I	Introduction to Scales i. Meaning and Definition ii. Importance of Scale iii. Types of Scales-Verbal, Numerical, Graphical iv. Conversion of Scales	02	30
	II	Introduction to Map Projection i. Meaning and Definition ii. Importance of Map Projection iii. Types of Map Projection iv. Zenithal Projection-		30
		Total	2	60

References:

1. Singh R. L. and Dutt, P.K., 1968. Elements of Practical Geography, Students Friends, Allahabad.
2. Jog. S. R. and Saptarshi, P. G., 1980. Sankhikhi Bhugol, Narendra Publication, Pune.
3. Creswell J., 1994. Research Design: Qualitative and Quantitative Approaches, Sage Publications.
4. Slocum, Terry A., 1999, Thematic Cartography and Visualization, Prentice-Hall, Upper Saddle Creek, NJ. www.prenhall.com/slocum
5. Kumbhar, A., 2000. Pratyakshik Bhugol, Sumeru Publications, Mumbai.
6. Ahirrao, D. Y. and Karanjkehele, E.K., 2002. Pratyakshik Bhugol, Sudarshan Publication, Nashik.
7. Dikshit, R. D., 2003. The Art and Science of Geography: Integrated Readings. Prentice Hall of India, New Delhi.
8. Singh R. L., 2005. Elements of Practical Geography. Kalyani Publishers, New Delhi.
9. Karlekar, S. N. and Kale, M., 2006. Statistical Analysis of Geographical Data, Diamond Publication, Pune.
10. डॉ. प्रवीण सप्तर्षी, संख्याकी भूगोल, निराली प्रकाशन, पुणे
11. डॉ. अर्जुन कुंभार, प्रात्यक्षिक भूगोल, सुमेरु प्रकाशन, डोंबिवली (पूर्व)
12. डॉ. श्रीकांत कार्लेकर, (2012) जी.आय.एस., जी.पी.स. डायमंड प्रकाशन, पुणे

Practical Question Paper Pattern of VSC
University of Mumbai
SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA
SAWANTWADI (Autonomous) Revised Syllabus w.e.f. Academic
Year, 2024-25
Revised Syllabus for SYBA
Semester- III

Scheme of Examination for Each Semester:

Semester End Examination (SEE): 50 Marks

Duration: 2 hours		Marks: 50
N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.		
Q. 1	Unit-I	10 Marks
	<i>OR</i>	
	Unit-I	10 Marks
Q. 2	Unit-II	10 Marks
	<i>OR</i>	
	Unit-II	10 Marks
Q. 3	Unit-I & II	10 Marks
	Short Notes (Any Two)	
Q. 3	Unit-I & II	10 Marks
Q. 4	Journal & Viva	20 Marks

As per NEP 2020



UNIVERSITY OF MUMBAI

S. Z. S. P. Mandal's

SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA

SAWANTWADI (Autonomous)

DIST: SINDHUDURG- 416 510, MAHARASHTRA



Syllabus for Approval

Diploma Course in Arts

B.A. (Geography)

Syllabus for

Sem-IV

Reference: GR dated 16th May 2023 for Credit structure

SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA SAWANTWADI (Autonomous)

DEPARTMENT OF GEOGRAPHY

Proposed List of Major, Minor, Open Elective, Skill Enhancement Course, Ability Enhancement Compulsory Course, Indian Knowledge System Course, Vocational Skill Course, Details of Semesters

(To be implemented from Academic Year 2024-25)

Program: Diploma Course

Class: BA

Semester: IV

Sr. No.	Course Code	Title of the Course	Category of Course	No. of Lecture Hours	No. of Lectures per Unit	Teaching Hours per week (L+P)	SEE	CIE	Total Marks	No. of Credits
1	MJA203GET	Geography of Tourism	Major	60	15	04+00	60	40	100	4
2	MJA204GET	Introduction to Climatology and Oceanography	Major	60	15	04+00	60	40	100	4
3	MNA203GET	Geography of Tourism	Minor	60	15	04+00	60	40	100	4
4	MNA204GET	Introduction to Climatology and Oceanography								
A student opting Geography as a Minor Subject may select any one of the Major Courses										
5	GEOE205	Basic Concept in Geography for Competitive Exam-V	OE	30	15	02+00	30	20	50	2
6	GESE203	Topographical Mapping Skills	SEC	60	30	00+04	30	20	50	2
7	GEVS204	Tools and Technique in Geography -IV	VSC	60	30	00+04	30	20	50	2
Sub - Total				330	120	14 +08	270	180	450	18

Notes:

One Hour of Lecture is equal to 1 Credit
 One Hour of Tutorial is equal to I Credit
 One Hour of Practical is equal to 1 Credit

Acronyms Expanded

MJ : Major
 MN : Minor
 OE : Open Elective Course
 SEC : Skill Enhancement Course
 VECC : Value Education Compulsory Course
 IKS : Indian Knowledge System
 VSC : Vocational Skill Course
 SEE : Semester End examination
 CIE :- Continuous Internal Evaluation
 L+P : Lecture + Practical(s)

Credit Structure of the Program Arts Faculty

Level	Class	Sem	Major (Mandatory)		Major (Elective)		Minor		Open Elective		Vocational Skill Courses / Skill Enhancement Courses		Ability Enhancement Courses/Value Education Courses/Indian Knowledge System		Field Project/Internship/Community Engagement/Co-curricular Courses		TOTAL CREDITS	Degree		
			MAJOR SUBJECTS	TOTAL CREDITS	MAJOR SUBJECTS	TOTAL CREDITS	MINOR COURSES	TOTAL CREDIT	OPEN ELECTIVE COURSES	TOTAL CREDITS	VSEC COURSES	TOTAL CREDITS	AEC,VEC, IKS COURSES	TOTAL CREDITS	DETAILS OF FP/CE/CC	TOTAL CREDITS				
4.5	FYBA	I	MJ-01	4	-	0	MN-01	4	OE-1	2	SEC	2	AEC(CS)	2	CC /NSS/NCC Studies/DLLE	2	22	Exit Option : Award of UG Certificate in Major with 44 Credits and an additional 4 credits Core NSQF course/ Internship or Continue with Major and Minor		
											VSC	2	VEC(EVS)	2						
		II	MJ-02	4	-	0	MN-02	4	OE-2	4	SEC	2	AEC(CS)	2	CC /NSS/NCC Studies/DLLE	2	22			
									OE-3	4	VSC	2	VEC(EVS)	2						
5	SYBA	III	MJ-03	8	-	0	MN-03	4	OE-4	2	VSC	2	AEC(BC)	2	CC /NSS/NCC Studies/DLLE	2	22			
			MJ-04										VEC(EVS)	2						
		IV	MJ-05	8	-	0	MN-04	4	OE-5	2	SEC	2	AEC(BC)	2	CC /NSS/NCC Studies/DLLE	2	22			
			MJ-06								VSC	2								
5.5	TYBA	V	MJ-07	16	MJE-01	4	MN-05	2									22	Exit Option : Award of UG Degree in Major with 132 Credits or Continue with Major for Honours/ Research		
			MJ-08																	
			MJ-09																	
			MJ-10																	
		VI	MJ-11	16	MJE-02	4									RP-1	2	22			
			MJ-12																	
			MJ-13																	
			MJ-14																	
Total Credits			Major 56+8=64				Minor	18	OE	10	VSEC	14	AEC,VEC,IKS	16		10	132			
6	Fourth Year of BA	VII	MJ-15	12	MJE-03	4	MN-06	4									22	Award of Bachelor of Arts Degree with Honours (with the completion of Courses equal to a minimum of 176 credits)		
			MJ-16																	
			MJ-17																	
			MJ-18																	
		VIII	MJ-19	12	MJE-04	4											RP-2		4	22
			MJ-20																	
			MJ-21																	
			MJ-22																	
Total Credits			Major 84+16=100				Minor	22	OE	10	VSEC	14	AEC,VEC,IKS	16		14	176			

**Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25**

(Major/Minor Course) MJ/MNA203GET: GEOGRAPHY

Geography of Tourism

1. Syllabus as per NEP 2020:	
i) Name of the Programme	: Diploma Course in Arts
ii) Course Code	: (Major/Minor Course) MJ/MNA203GET
iii) Course Titles	: Geography of Tourism (Semester IV)
iv) Credit Structure	: No. of Credits per Semester – 04
v) No. of lectures per Unit	: 15
vi) No. of lectures per week	: 04
2. Scheme of Examination	: <ul style="list-style-type: none"> • Written Exam: 4 Questions of 15 Marks each : 60 Marks • Internal Assessment: 40 marks Total : 60 + 40 =100



**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA203GET: GEOGRAPHY**

To be implemented from the Academic year 2024-25

**Course Title: Geography of Tourism
SEMESTER III**

Objectives:

1. To know the nature and scope of Tourism Geography
2. To recognize the significance, recent trends and factors of tourism.
3. To realize the role of infrastructure and travel agency in tourism development
4. To study the impacts of tourism and concept of sustainable tourism
5. To know the policies of tourism and places of tourist interest in India and Maharashtra

Programme Outcomes:

6. Understand, coherently and effectively about various genres of Geography.
7. Understanding the diverse concepts in the field of Geography.
8. Understand global and regional patterns of cultural, political and economic institutions, and their effects on exploitation of natural resources and landscapes.
9. Understand need for protection and conservation of natural resources.
10. Develop basic skills in practical Geography and its industrial applications.

Course Outcomes:

5. To acquaint the student's basic concepts of Geography of Tourism.
6. To aware the students with the utility and application of Tourism
7. To help the students & society to understand the interrelationship between tourism and employment generation opportunities.
8. To understand the tourism infrastructure and travel agency
9. To understand the impact of tourism on Physical and Human Environments

**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA203GET: GEOGRAPHY**

**Course Title: Geography of Tourism
SEMESTER III**

No. of Credits - 04

COURSE CODE: MJ/MNA203GET

Course code	Unit	Topics	Credits	Lecture
MJ/MNA203GET (Major /Minor Course)	I	Introduction to Geography of Tourism <ul style="list-style-type: none"> • Definition, Nature and Scope of Tourism Geography • Importance of Tourism Geography • Recent Trends in Tourism Geography: Ecotourism, Agro Tourism • Factors influencing tourism development - Physical, economical and socio-Political 	04	15
	II	Classification and Impact of Tourism <ul style="list-style-type: none"> • Classification of Tourism Based on: Nationality, Time, Distance and Number of Tourist • Impact on Physical Environment. • Impact on Economy • Impact on Social Environment 		15
	III	Tourism Infrastructure and Travel Agency <ul style="list-style-type: none"> • Transportation Mode: Road, Railway, Air & Water • Tourist accommodation: Concept and Types. • National Tourism Policies and Agencies. • Travel Agency: Features and Functions 		15
	IV	Tourism in India with Special Reference to Maharashtra <ul style="list-style-type: none"> • Places of physiographic attractions in India and Maharashtra • Places of religious importance in India and Maharashtra • Places of cultural importance in India and Maharashtra • Places of Historical importance in India and Maharashtra 		15
		Total	04	60

References:

1. Dhar, P.N. (2006) International Tourism: Emerging Challenges and Future Prospects Kanishka, New Delhi
2. Kamra, K.K. and Chand, M. (2007) Basics of Tourism: Theory, Operation and Practice, Kanishka Publishers
3. Tourism Recreation and Research Journal, Centre for Tourism Research and Development, Lucknow

4. Singh Jagbir (2014) “Eco- Tourism” published by I.K. International Pvt Ltd S-25, Green Park Extension, Uphaar Cinema Market, New Delhi, India
5. Bhatia, A. (2019): “Tourism Development: Principles and Practices”, Sterling Publishers, New Delhi
6. Bhatia, A. (2019): “International Tourism Management”, Sterling Publishers, New Delhi
7. Roday, S., Biwal, A. and Joshi, V. (2018): “Tourism Operations and Management”, Oxford University Press, New Delhi
8. Swain, S. and Mishra, J. (2018): “Tourism Principles and Practices”, Oxford University Press, New Delhi
9. Goeldner, C. and Ritche, J. (2016): “Tourism: Principles, Practices, Philosophies”, Wiley
10. Nelson, V. (2014): “An Introduction to the Geography of Tourism”, Rawat Publications, Jaipur
11. Lew, A., Hall. C. and Williams, A. (2004): “A Companion to Tourism”, (ed.) Blackwell Publishing
12. ए. बी. सवदी (2003): पर्यटन भूगोल,, निराली प्रकाशन, पुणे
13. डॉ. विठ्ठल धारपुरे (2010): पर्यटन भूगोल, पिंपळपुरे अकॅडेमी, नागपूर



**Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25**

(Major/Minor Course) MJ/MNA204GET: GEOGRAPHY

Introduction to Climatology and Oceanography

1. Syllabus as per NEP 2020:	
i) Name of the Programme	: Diploma Course in Arts
ii) Course Code	: (Major/Minor Course) MJ/MNA204GET
iii) Course Titles	: Introduction to Climatology and Oceanography (Semester IV)
iv) Credit Structure	: No. of Credits per Semester – 04
v) No. of lectures per Unit	: 15
vi) No. of lectures per week	: 04
2. Scheme of Examination	: <ul style="list-style-type: none"> • Written Exam: 4 Questions of 15 Marks each : 60 Marks • Internal Assessment: 40 marks Total : 60 + 40 =100



**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA204GET: GEOGRAPHY**

To be implemented from the Academic year 2024-25

**Course Title: Introduction to Climatology and
Oceanography
SEMESTER IV**

Objectives:

5. To provide students with basic understandings of climatology and oceanography
6. To enable to understand the basic concepts of weather and climate
7. To introduce the fundamentals of atmospheric phenomena, global climate and climate change.
8. To gain essential background of origin and development of oceanography
9. To enable to understand the basic concepts of ocean floor, temperature and salinity of ocean water

Programme Outcomes:

6. Understand, coherently and effectively about various genres of Geography.
7. Understanding the diverse concepts in the field of Geography.
8. Understand global and regional patterns of cultural, political and economic institutions, and their effects on exploitation of natural resources and landscapes.
9. Understand need for protection and conservation of natural resources.
10. Develop basic skills in practical Geography and its industrial applications.

Course Outcomes:

After the completion of this course, student should be able to:

5. To understand the importance of atmosphere and ocean
6. To know measurements of atmosphere pressure and formation of pressure belts
7. To understand weather phenomena like winds, humidity, condensation and precipitation
8. To get knowledge about the concepts of cyclone, anti-cyclone, global warming and climate change.
9. To get knowledge about the concepts of waves, tides and currents.

**Syllabus as per NEP 2020 for Diploma Course in Arts
(Major/Minor Course) MJ/MNA204GET:**

GEOGRAPHY

**Course Title: Introduction to Climatology and
Oceanography
SEMESTER IV**

No. of Credits - 04

COURSE CODE: MJ/MNA204GET

Course code	Unit	Topics	Credits	Lecture
MJ/MNA204GET (Major /Minor Course)	I	Introduction to Climatology <ul style="list-style-type: none"> • Introduction of Climatology - Concept and elements of weather and climate • Evolution of atmosphere its composition and structure • Insolation and heat budget of the earth • Vertical and horizontal distribution of temperature 	04	15
	II	Air Pressure, Atmospheric Circulation, Precipitation <ul style="list-style-type: none"> • Measurement of air pressure and distribution of pressure belts • Winds: global, regional and local • Upper air circulation - Jet stream • Forms of precipitation 		15
	III	Special Weather Phenomena <ul style="list-style-type: none"> • Cyclone – types and origin, structure, global distribution • Anti-cyclones: Origin, structure, global distribution • Tornados: Origin, structure, distribution • Global warming and its impact on weather 		15
	IV	Oceanography <ul style="list-style-type: none"> • Origin and Development of Oceanography, branches of oceanography • Composition of ocean water, distribution of salinity and affecting factors • Tides: Concept and types • Ocean Currents – types and their effects 		15
		Total	04	60

References:

23. Ahrens, C.D. (2012): Essentials of Meteorology: An Invitation to the Atmosphere; Cengage Learning, Boston
24. Chawan S.V. (ed) (2015): Physical Geography, Paper I, Published by Director (I/C),

- Institute of Distance and Open Learning, University of Mumbai.
25. Critchfield, H.J., (1975): general Climatology, Prentice Hall, New Jersey. Lal D.S. (1997): Climatology; Sharda Pustak Bhavan; Allahabad
 26. Lydolph, P.E.(1985): The Climate of the Earth, Rowman Nad Allanheld, Totowa, New Jersey.
 27. Mather, J.R.(1974): Climatology: Fundamentals and Applications; Mc Craw Hill Book Co., U.S.A.
 28. Matthews, W. H., Kellogg, W., Robinson, G.D. (1971): Man's Impact on Climate; M.I.T. Press Design Dept. U.S.A.
 29. Oliver, J.E. (1993): Climatology: An Atmospheric Science, Pearson Education India, New Delhi
 30. Rosenberg, N.J., Blad, B.L., Verma, S.B.(1983): Micro-climate Biological Environment; John Wiley & Sons, U.S.A.
 31. Rumney, G.R. (1968): Climatology and the World Climates, Macmillan, London.
 32. Shinde P.; Pednekar H. et.al. (2010): Introduction to Geography, Sheth Publishers Pvt.Ltd., Mumbai.
 33. Subrahmanyam, V.P. (ed) (1983): Contributions to Indian Geography a) Vol III General Climatology, b) Volume IV- Applied Climatology. Heritage Publishers, New Delhi.
 34. Trewartha, G.T. (1980): An Introduction to Climate; McGraw Hill, New York, 5th edition, (International Student Edition).
 35. दाते (1995): प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर
 36. सुभाषचंद्र सारंग (2000): प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर
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 40. रजनी देशमुख (2003): प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर
 41. यू. बी. पाठारे (2008): प्राकृतिक भूगोल, विद्या प्रकाशन, नागपूर
 42. डॉ. पाथरे आणि डॉ. राजहंस (2008): प्राकृतिक भूगोल, विद्या प्रकाशन, औरंगाबाद
 43. ए. बी. सवदी आणि कोळेकर (2019): प्राकृतिक भूगोल, निराली प्रकाशन, पुणे

Question Paper Pattern of Major & Minor Subject
University of Mumbai
SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA
SAWANTWADI (Autonomous) Revised Syllabus w.e.f. Academic
Year, 2024-25
S.Y.B.A. Geography, Semester- IV

Scheme of Examination for Each Semester:

Continuous Internal Evaluation (CIE): 40 Marks

Sr. No.	Particulars	Marks
01	One Unit Tests	20 Marks
02	Home Assignment/ Book Review/Skit/ Presentation/Poster/Chart /Model Making	15 Marks
03	Attendance	05 Marks
	Total	40 Marks

Semester End Examination (SEE): 60 Marks

Duration: 2 hours		Marks: 60
N.B. 1. All questions are compulsory and carry equal marks. 6. Use of Map Stencils and simple Calculator is allowed. 7. Attach appendix along with answer paper.		
Q. 1	Unit-I	15 Marks
<i>OR</i>		
Q.1	Unit-I (Question may be divided in to A and B)	15 Marks
Q. 2	Unit-II	15 Marks
<i>OR</i>		
Q. 2	Unit-II (Question may be divided in to A and B)	15 Marks
Q. 3	Unit-III	15 Marks
<i>OR</i>		
Q. 3	Unit-III (Question may be divided in to A and B)	15 Marks
Q. 4	Unit-IV	15 Marks
<i>OR</i>		
Q. 4	Unit-IV (Question may be divided in to A and B)	15 Marks

Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25

**Course Title: Basic Concept in Geography for
Competitive Exam-V
(Open Elective)**

1. Syllabus as per NEP 2020:	
i) Name of the Programme	: Diploma Course in Arts
ii) Course Code	: GEOE205 (Open Elective)
iii) Course Titles	: Basic Concept in Geography for Competitive Exam-V Semester IV
iv) Credit Structure	: No. of Credits per Semester – 04
v) No. of lectures per Unit	: 15
vi) No. of lectures per week	: 04
2. Scheme of Examination	: <ul style="list-style-type: none"> • Written Exam: 3 Questions of 10 Marks each= 30 Marks • Internal Assessment: 40 marks Total : 60 + 40 =100

Revised Syllabus for SYBA

Course Title: Basic Concept in Geography for Competitive Exam-V

(Open Elective)

To be implemented from 2024-25

Objectives:

This course is designed exclusively for the students preparing for the different competitive examinations including civil services, banking, railways, eligibility tests, and all other competitive examinations.

Course Outcomes:

After completion of the course the students will be able to:-

1. Understand the geographical features of India.
2. Introduce students with geographical aspects of India.

Students will be able to:-

1. Understand the basic concepts of in Geography of Disaster Management and Health Geography.
2. Familiarize with the global health, diseases, types of disaster and management.

No. of Credits - 02

COURSE CODE: GEOE205

Course code	Unit No	Sub Topics	Credits	No. of Periods
GEOE205 (Open Elective)	I	Basic Concept in Health Geography i. Nature and scope of Health Geography ii. Conceptual background and components of Health Geography iii. Climate change and Global health iv. Case study of pandemic disease - COVID-19	02	15
	II	Basic Concepts in Geography of Disaster Management i. Concept of disaster, hazard, vulnerability and risks ii. Types of hazards & Disasters-Natural & Man-made iii. Impacts of Disaster-Socio-economic and Political iv. Pre & Post -Disaster Stage of Management		15
		Total	02	30

Reference Books:

1. Alice E. Marczewski and Michael Kamrin: Toxicology for the Citizen.
2. Brockband, J.Cohrsson, and V.T. Covello: The Risk Assessment Manual: A Guide to Understanding and Using Health and Environmental Assessments
3. Rhonda Humbird: AP Environmental Science - Part 1: The Living World
4. WHO report (<https://www.who.int/data/gho/data/themes/world-health-statistics>)
5. Misra R.P.: Geography of Health- A treatise on Geography of Life & Death in India, Concept Publishing Company Pvt. Ltd.
6. Dasgupta R. (2007) Disaster Management and Rehabilitation, Miital Publication. New Delhi
7. Govt.Of India: Disaster Management in India,Ministry of Home affair, New Delhi
8. Murthy,D.B.N (2008) : Disaster Management, Deep & Deep Publications Pvt. Ltd., New Delhi
9. Singh,Savindra and Singh, Jeetendra (2016):Disaster Management, Pravalika Publications, Allahabad
10. मस्के व भेस (2014)आरोग्य भूगोल, अथर्व प्रकाशन
11. गोडबोले, मराठे :आपत्ती व्यवस्थापन संकल्पना, डायमंड प्रकाशन,पुणे
12. पठारे संभाजी,अजय चाकाने :आपत्तीनिराकरण, डायमंड डायमंड प्रकाशन,पुणे

Question Paper Pattern of OE
University of Mumbai
SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA SAWANTWADI
(Autonomous) Revised Syllabus w.e.f. Academic Year, 2024-25
Revised Syllabus for SYBA
Semester- IV

Scheme of Examination for Each Semester:

Continuous Internal Evaluation (CIE): 20 Marks

Sr. No.	Particulars	Marks
01	Presentation/Seminar/ Home Assignment	15 Marks
02	Attendance	05 Marks
	Total	20 Marks

Semester End Examination (SEE): 30 Marks

Duration: 2 hours		Marks: 30
N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.		
Q. 1	Unit-I	10 Marks
	<i>OR</i>	
	Unit-I	10 Marks
Q. 2	Unit-II	10 Marks
	<i>OR</i>	
	Unit-II	10 Marks
Q. 3	Unit-I & II	10 Marks
	Short Notes (Any Two)	

Certificate Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25

**Course Title: Tools and Techniques in
Geography -IV
(Vocational Skill Course)**

1. Syllabus as per NEP 2020:		
i)	Name of the Programme	: Diploma Course in Arts
ii)	Course Code	: GEVS204 – (Vocational Skill Course)
iii)	Course Titles	: Tools and Techniques in Geography -IV (Semester IV)
iv)	Credit Structure	: No. of Credits per Semester – 02
v)	No. of lectures per Unit	: 30
vi)	No. of lectures per week	: 02
2.	Scheme of Examination	: Practical Exam: 3 Questions of 10 Marks each & 1 Questions of 20 Marks= 50 Marks

Revised Syllabus for FYBA
Course Title: Tools and Techniques in Geography -IV
(Vocational Skill Course)
To be implemented from 2024-25

Objectives:

3. To introduce the students about the Tools and Techniques in Geography
4. To acquaint the students with fundamental knowledge of Tools and Techniques in Geography

Course Outcomes:

5. Remember the fundamentals of surveying Techniques.
6. Understand the Meaning and types of Survey.
7. Understand and able to solve the examples of Techniques of Plane Table Surveying
8. Understand and able to solve the examples of GPS Survey Techniques

No. of Credits - 02

SEMESTER-I

COURSE CODE: GEVS204

COURSE CONTENT				
Course Code	Unit No.	Content	No. of Credits	No. of Periods
GEVS204 (Vocational Skill Course)	I	Introduction to Surveying v. Definition of Surveying vi. Types of Survey vii. Plane Table Surveying viii. Abney level Surveying	02	30
	II	GPS Survey Techniques v. GPS : Concept, Segments, Applications vi. Introduction and handling techniques of GPS vii. Types of GPS viii. Conducting GPS point with Latitude, Longitude and Altitude		30
		Total	2	60

References:

13. Singh R. L. and Dutt, P.K., 1968. Elements of Practical Geography, Students Friends, Allahabad.
14. Jog. S. R. and Saptarshi, P. G., 1980. Sankhikhi Bhugol, Narendra Publication, Pune.
15. Creswell J., 1994. Research Design: Qualitative and Quantitative Approaches, Sage Publications.
16. Slocum, Terry A., 1999, Thematic Cartography and Visualization, Prentice-Hall, Upper Saddle Creek, NJ. www.prenhall.com/slocum
17. Kumbhar, A., 2000. Pratyakshik Bhugol, Sumeru Publications, Mumbai.
18. Ahirrao, D. Y. and Karanjkele, E.K., 2002. Pratyakshik Bhugol, Sudarshan Publication, Nashik.
19. Dikshit, R. D., 2003. The Art and Science of Geography: Integrated Readings. Prentice Hall of India, New Delhi.
20. Singh R. L., 2005. Elements of Practical Geography. Kalyani Publishers, New Delhi.
21. Karlekar, S. N. and Kale, M., 2006. Statistical Analysis of Geographical Data, Diamond Publication, Pune.
22. डॉ. प्रवीण सप्तर्षी, संख्याकी भूगोल, निराली प्रकाशन, पुणे
23. डॉ. अर्जुन कुंभार, प्रात्यक्षिक भूगोल, सुमेरु प्रकाशन, डोंबिवली (पूर्व)
24. डॉ. श्रीकांत कार्लेकर, (2012) जी.आय.एस., जी.पी.स. डायमंड प्रकाशन, पुणे

Diploma Course in Arts Syllabus as per NEP 2020
To be implemented from the Academic year 2024-25

Course Title: Topographical Mapping Skills
(Skill Enhancement Course)

1. Syllabus as per NEP 2020:		
i)	Name of the Programme	: Diploma Course in Arts
ii)	Course Code	: GESE203 – (Skill Enhancement Course)
iii)	Course Titles	: Topographical Mapping Skills (Semester -IV)
iv)	Credit Structure	: No. of Credits per Semester – 02
v)	No. of lectures per Unit	: 30
vi)	No. of lectures per week	: 02
2.	Scheme of Examination	: Practical Exam: 3 Questions of 10 Marks each & 1 Questions of 20 Marks= 50 Marks

Revised Syllabus for FYBA
Course Title: Topographical Mapping Skills
(Skill Enhancement Course)
To be implemented from 2024-25

Objectives:

- 1) To introduce the students about the mapping skill
- 2) To acquaint the students with fundamental knowledge of weather maps.

Course Outcomes:

1. Remember the fundamentals of Maps and Topographical Maps.
2. Understand the elements of maps.
3. Apply Spatial Statistical Techniques in Topographical graphs.
4. Analyze the different types of sign and symbols.
5. Evaluate the infographics provided through Topographical maps.
6. Create his/her Topographical map using spatial-statistical techniques.

No. of Credits - 02

COURSE CODE: GESE203

SEMESTER-II

COURSE CONTENT				
Course Code	Unit No.	Content	No. of Credits	No. of Periods
GESE203 (Skill Enhancement Courses)	I	Introduction to Topographical Maps a) Introduction to Topographical Maps b) Methods of showing relief and landforms c) Topographical map index d) Colour scheme used in topographical maps e) Description and drawing of conventional signs and symbols.	02	30
	II	Interpretation of Topographical map i. Marginal Information ii. Relief iii. Drainage Pattern iv. Vegetation v. Irrigation vi. Occupation vii. Transport & Communication viii. Human Settlement		30
		Total	2	60

References:

1. Carter, James, 1984 Computer Mapping (Progress in the '80s), Resource Publications in Geography, Washington, DC: Association of American Geographers.

2. Slocum, Terry A., 1999, Thematic Cartography and Visualization, Prentice-Hall, Upper Saddle Creek, NJ. www.prenhall.com/slocum
3. MacEachren, Alan, M., 1995, How Maps Work, Representation, Visualization, and Design, Guilford Press
4. Ramamurthy, K., (1982): Map Interpretation, Rex Printers, Madras.
5. Mishra R.P. and Ramesh A., (1989): Fundamentals of Cartography, Concept Publishing.
6. Gupta K.K and Tyagi V.C., (1992). Working with Maps, Survey of India, DST, New Delhi.
7. Singh R.L. and Singh R.P.B., (1999): Elements of Practical Geography, Kalyani Publishers.
8. Singh, R.L., (2005): Elements of Practical Geography. Kalyani Publishers, New Delhi. India.
9. Singh, G., (2005): Map work and practical geography. Vikas Publishing House Pvt. Ltd., New Delhi.
10. Siddhartha, K., (2006): Geography through maps, Kisalaya Publications Pvt. Ltd, Delhi.
11. Asis Sarkar (2015): Practical Geography, A Systematic Approach, Orient Black Swan
12. ESRI, Serving Maps on the Internet, Redlands CA: ESRI Press
13. डॉ. अर्जुन कुंभार(१९९४): प्रात्यक्षिक भूगोल: सुमेरू प्रकाशन, डोंबिवली
14. डॉ. विश्वास यादव(१९९८): भूगोलातील नकाशाशास्त्र व संख्याशास्त्रीय पद्धती: प्राची प्रकाशन, मुंबई
15. डॉ. एस बी शिंदे:(२००२): नकाशा शास्त्र: फडके प्रकाशन, कोल्हापूर



Practical Question Paper Pattern of VSC & SEC
University of Mumbai
SHRI PANCHAM KHEMRAJ MAHAVIDYALAYA SAWANTWADI
(Autonomous) Revised Syllabus w.e.f. Academic Year, 2024-25
Revised Syllabus for SYBA
Semester- III

Scheme of Examination for Each Semester:

Semester End Examination (SEE): 50 Marks

Duration: 2 hours		Marks: 50
N.B. 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.		
Q. 1	Unit-I	10 Marks
	<i>OR</i>	
	Unit-I	10 Marks
Q. 2	Unit-II	10 Marks
	<i>OR</i>	
	Unit-II	10 Marks
Q. 3	Unit-I & II	10 Marks
	Short Notes (Any Two)	
Q. 3	Unit-I & II	10 Marks
Q. 4	Journal & Viva	20 Marks