

**Smt. Nathibai Damodar Thakracy Womens University, Mumbai**  
**S.Y.B.A. SEMESTER.- III,**  
**NEW SYLLABUS OF GEOGRAPHY (w.e.f. : June 2016)**

**Introduction to Climate**  
**Code: DC-V ( 345507) /AC 375307**

**Objectives:**

1. To acquaint the students with basic knowledge of atmosphere, weather and climate.
2. To understand different characteristics and processes of atmosphere.
3. To know the fundamental concepts of insolation and heat budget.
4. To acquaint the students with weather forecasting.

Unit. No.	Topic	Sub-topics	Periods	Marks
I	Introduction to Atmosphere	A) Definitions of Atmosphere B) Composition of Atmosphere i) The Gases, ii) Water Vapour & iii) Particulates C) Structure of Atmosphere I) On the Basis of Chemical Composition: a) Homosphere & b) Heterosphere II) On the Basis of Physical Properties: i) Troposphere, ii) Stratosphere, iii) Mesosphere, iv) Thermosphere a) Ionosphere and b) Exosphere	12	2 5
II	Insolation and Heat Budget	A) Meaning and Definition of Insolation, Solar Constant and Albedo of the Earth B) Distribution of Insolation - Factors affecting the distribution of Insolation C) Heat Budget of the Earth and Atmosphere	18	2 5

III	Elements of Weather and Climate	<p>A. Meaning and Definition of Weather and Climate</p> <p>B. Elements of Weather and Climate:</p> <p>1) Temperature</p> <p>a) Meaning and Definition of Heat and Temperature.</p> <p>b) Distribution of Temperature</p> <p>i) Factors affecting the distribution of temperature.</p> <p>ii) Horizontal Distribution of Temperature</p> <p>2) Atmospheric Pressure</p> <p>a) Horizontal Distribution of Pressure</p> <p>b) Formation of Pressure Belts</p> <p>c) Shifting of Pressure Belts and their Effects</p> <p>3) Winds</p> <p>a) Factors affecting Winds</p> <p>i) Pressure Gradient</p> <p>ii) Coriolis Force</p> <p>iii) Frictional Force</p> <p>b) Classification of Winds</p> <p>i) Planetary Winds: Trade, Antitrade and Polar</p> <p>ii) Periodical Winds: Land and Sea Breezes, Monsoon Winds (Indian Monsoon)</p> <p>iii) Variable Winds: Cyclones and Anticyclones</p> <p>3) Humidity</p> <p>a) Definition</p> <p>b) Types of Humidity : Absolute, Specific and Relative Humidity</p> <p>c) Meaning of Evaporation, Saturation and Condensation</p> <p>d) Forms of Condensation: Fog, Dew, Frost and Clouds Precipitation</p> <p>b) Forms of Precipitation: Rain, Drizzle, Snow, Sleet, Hail</p> <p>c) Types of Rainfall:</p> <p>i) Convectonal Rainfall</p> <p>ii) Orographic Rainfall</p> <p>iii) Cyclonic or Frontal Rainfall</p>	18	2 5
IV	Weather Forecasting	<p>I Meaning and Importance</p> <p>II Procedure of Weather Forecasting</p> <p>III Tools in Weather Forecasting</p> <p>IV Methods of Weather Forecasting:</p> <p>Synoptic, Statistical and Numerical Method</p> <p>V Weather Forecasting in India</p>	12	2 5

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1. Aguado, E. and Burt, J.E. (2001): *Understanding Weather and Climate*, Printice Hall, Upper Saddal River, New Jersey.
2. Barry, R.G. & Chorly, R.J.(1995) : *Atmosphere, Weather and Climate*, Routledge, London and New York.
3. Critchfield, H. J.(2002) : *General Climatology*, Prentice Hall, New Delhi, India.
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9. Singh Savindra (2005): *Climatology*, Prayag Pustak Bhawan, Allahabad.
10. Strahler, A.N. (1965): *Introduction to Physical Geography*, Willey, New York.
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**S.Y.B.A. SEMESTER.- III**  
**NEW SYLLABUS OF GEOGRAPHY (w.e.f. : June 2016)**  
**GEOGRAPHY OF MAHARASHTRA**  
**Code: –DC-VI ( 345607)**

**Objectives:**

- 1.To present physical profile Maharashtra.
2. To understand the roll of geographical factors in economics and social status of the state of Maharashtra.

<b>UNIT No.</b>	<b>Topic</b>	<b>Sub topic</b>	<b>Periods</b>	<b>Marks</b>
1	Geographical Personality	<ol style="list-style-type: none"> <li>1. Location</li> <li>2. Site, Size, Shape</li> <li>3. Area</li> <li>4. Administrative Division</li> </ol>	09	20
2	Physical Setting Of Maharashtra	<ol style="list-style-type: none"> <li>A) Physical Division of Maharashtra               <ol style="list-style-type: none"> <li>1. Kokan Region</li> <li>2. Sahyadri Plateau</li> <li>3. Maharashtra Plateau</li> </ol> </li> <li>B) Drainage               <ol style="list-style-type: none"> <li>1. Rivers in Kokan Region</li> <li>2. Rivers in Plateau Region (Tapi-Purna Valley, Godavari Valley, Krishna basin, Pranhita Valley)</li> </ol> </li> </ol>	15	25
3	Climate	<ol style="list-style-type: none"> <li>1. Characteristics of Climate</li> <li>2. Factors affecting Climate</li> <li>3. Seasons:</li> <li>4. Distribution of Rainfall &amp; its Characteristics</li> <li>5. Climate Regions of Maharashtra</li> </ol>	15	25
4	Socio-Economic Factors in Maharashtra	<ol style="list-style-type: none"> <li>(A) Population               <ol style="list-style-type: none"> <li>1. Factor affecting the distribution of Population in Maharashtra</li> <li>2. Population Distribution</li> <li>3. Urbanization in Maharashtra</li> </ol> </li> <li>(B) Agriculture               <ol style="list-style-type: none"> <li>1. Characteristics of Agriculture</li> <li>2. Major crops – Rice, Wheat, Cotton, Sugarcane.</li> <li>3. Horticulture in North Maharashtra – Banana, Pomegranate</li> <li>4. Agriculture problems &amp; prospects</li> </ol> </li> <li>(C) Power Resources               <ol style="list-style-type: none"> <li>1. Conservation of conventional energy</li> <li>2. Non-conventional energy in Dhule and</li> </ol> </li> </ol>	21	30

**Reference Book :**

- 1) Anonymous (1974): Climate of Maharashtra state, I.M.D., Pune
- 2) Bhamre S M (2011): Geography of Maharashtra, Prashant publication, Jalgaon.
- 3) Dastane Santosh (2009): Maharashtra- 2009, Dasane Ramchandra and co. , Pune
- 4) Deshpande C. D. (1971): Geography of Maharashtra, NBT, New Delhi
- 5) Didde Jaymala and other (2002): Geography of Maharashtra, Rawat Publication, Jaipur.
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- 7) Dikshit K R. ( 1971): Maharashtra Region in India- A Regional Geography Edt. By Dr. R L Sing, NAGI, Varanashi.
- 8) Joshi C B (1962): Maharashtra- A regional geography, A R Sheth and Company, Mumbai.
- 9) Sahu Arun( 2007): Maharashtra, NBT , New Dalhi.

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**S.Y.B.A. SEMESTER.- III,**  
**NEW SYLLABUS OF GEOGRAPHY (w.e.f. : June 2016)**  
**Introduction to Tourism Geography**  
**Code: APC-I ( 365107)**

**Course Objectives:**

- 2) To motivate for Geo -tourism practices and processes of decision-making.
- 3) To realize its potentials, as against the achieved in the Indian context.
- 4) To understand the various elements of Geo -Tourism
- 5) To evaluate the role of various organizations of Geo- tourism

<b>UNIT No.</b>	<b>Topic</b>	<b>Sub topic</b>	<b>Periods</b>	<b>Marks</b>
1	Concepts of Tourism	<ol style="list-style-type: none"> <li>1. Definitions and historical development of tourism.</li> <li>2. Tourist-Traveler- Visitor- Excursionist.</li> <li>3. Types and Forms of Tourism; Tourism system: Nature,</li> <li>4. Components of tourism and its characteristics.</li> </ol>	15	25
2	Geo –Tourism	<ol style="list-style-type: none"> <li>1. Definitions, Nature and Scope of Geo-Tourism</li> <li>2. Approaches of Geo-Tourism</li> <li>3. Importance of Geo-Tourism</li> <li>4. Natural and climatic regions of the world. Geo-park</li> </ol>	15	25
3	Motivational factors & organizations of geo-tourism:	<ol style="list-style-type: none"> <li><b>1. Natural:</b> Relief, Climate, Vegetation, Water bodies</li> <li><b>2. Cultural:</b> Agricultural, Historical, Religious Archeological</li> <li><b>3. Organizations:</b> WTO, UNWTO, I T D C, M T D C</li> </ol>	15	25
4	Geo-tourism Impacts	<p style="text-align: center;">Positive and Negative Impacts of Tourism:</p> <ol style="list-style-type: none"> <li>1) Environmental: Land, Water, Noise &amp; Air</li> <li>2) Economic: Employment, Foreign exchange, Trading, Increase in revenue</li> <li>3) Social: Gambling, Crimes, Terrorism, linguistics.</li> </ol>	15	25

## REFERENCE BOOKS:

- 1) **Bhatia A K (2001):**-Tourism Development , Scientific Publication, New Delhi,.
- 2) **Boniface B. and Cooper C.(1987):**-The Geography of Travel and Tourism, Heinemann Professional Publishing. London, England ..
- 3) **Burkart and Medlik (1981):Tourism:** Past, Present and Future Heinemann, ELBS.
- 4) **Cooper, Fletcher, Tourism ( 1993):** Principles and practices, Pitman. Publishing .
- 5) **Dixit, M.(2001):** Tourism Geography and Trends: Royal Publication Hall, New Delhi.
- 6) **Kaul (2003):** Dynamics of Tourism (New Delhi, Sterling)
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- 11) **Robinson H.A.A(1981):** Geography of Tourism, and Evans, London.
- 12) **Bhole & Bhatewal (2012):** Payrtan Bhugol, Prashant Prakashan, Jalgaon
- 13) **Gharpure V.T. (2006)-** Payrtan Bhugol, Vidhya Prakashan, Nagpur.
- 14) **Nagtode & Pardhi D.A (2007):** Payrtan Bhugol, pimpalature Prakashan , Nagpur

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**S.Y.B.A. SEMESTER- IV,**  
**NEW SYLLABUS OF GEOGRAPHY (w.e.f. : June 2016)**  
**Oceanography**  
**Code: DC-VII ( 445707)/**  
**AC475407**

**Objectives:**

- i) To study the basic part of oceanography
- ii) To get the information about salinity and temperature of ocean water
- iii) To study the relationship between the temperature and ocean currents
- iv) To study the origin and effects of tsunami

UNIT	TOPIC	SUB TOPIC	PERIOD	Marks
1	Configuration and Submarine Relief of Ocean Floor	(a) Meaning and concept of Hydrosphere (b) Importance of the study of Oceanography (c) Surface configuration of ocean Floor (submarine relief) (d) submarine relief of Atlantic & Indian ocean	10	20
2	Properties of ocean water	(a) Temperature of ocean water i) Distribution of Temperature of ocean water (b) salinity of ocean water i) Definition and meaning ii) Isohalines (c) Factors affecting the distribution of Salinity of ocean water (d) Distribution of salinity- open ocean, Partially enclosed sea, inland sea & lakes	17	30
3	Ocean currents	(a) Definition, meaning and types of ocean Currents (b) causes of origin of the ocean currents (c) Ocean currents of Atlantic and Indian Ocean, El Nino and La Nina current (d) Effects of ocean currents	17	25
4	Ocean coast and ocean Tides	(a) Definition and nature of ocean coast (b) Types of ocean coast i) submergence coast ii) emergence coast (c) Ocean Tides i) Definition and meaning of ocean tides ii) Types of tides i) Spring ii) Neap iii) Importance of Tides (d) Tsunami waves i) Definition and characteristics ii) Effects of Tsunami waves	16	25

### Reference Books

- 1) **Ahirao, Alizad and Dhapate(2002):** Climatology and oceanography
- 2) **Bharambe, Dhake and Dr. V.J.Patil(2002):** Physical Geography Part-II ( atmosphere and Hydrosphere
- 3) **Garison T. (1998):** Oceanography, Wardsworth Company, USA
- 4) **Gralds S. (1980):** General Oceanography- An introduction, Jon Waley and Sons, New York.
- 5) **Lake P.(1981):** Physical Geography, Cambridge, University Press
- 6) **Majid Husain (2001):** Fundamental of Physical Geography, Ravat publication Jaipur
- 7) **Negi B.S.(2005):** Climatology and oceanography, Kedarnath and Ramnath Publishing , Meerut.
- 8) **Padey, P.N. (2002):** Physical Geography, Nirali Prakashan, Pune
- 9) **Savindar sing (1992):** Physical Geography Prayag pustak bhavan, Allahabad.
- 10) **Sharma R.C. and M. Vatal (1970):** Oceanography for Geographers, Chaitanya Delhi.
- 11) **Strahler N. (1976):** Elements of physical Geography, Willey Nework
- 12) **Suryawanshi D.S., & Others ( 2011):** Geography (Lithosphere & Hydrosphere), Vrinda publication, Jalgaon
- 13) **Tikha R.N(1999) :** Physical Geography, Kedarnath and ramnath and co. Merrut
- 14) **Trewartha Robinson (1981):** Physical Elements of Geography, McGraw Hill Book Company, New Delhi
- 15) **Ummerkutty A.N.P. (1999):** Science of the Oceans, National Book Trust, New

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**S.Y.B.A. SEMESTER.- IV**

**NEW SYLLABUS OF GEOGRAPHY (w.e.f. : June 2016)**

**GEOGRAPHY OF INDIA**

**Code: –DC-VIII ( 445807)**

**Objectives:**

- 1.To present a comprehensive and integretated profile of India.
2. To understand the roll of geographical factors in economics and social status of the country.

<b>UNIT No.</b>	<b>Topic</b>	<b>Sub topic</b>	<b>Periods</b>	<b>Marks</b>
1	Introduction/ Geographical personality	A) Location : Site and Situation B) Adjacent countries: Economic and Political Relationship. C) Administrative Divisions: D) State wise Geographical Area	12	20
2	Physioigraphy	A) Physiographic divisions of India <b>B) Relief features of:</b> I) Himalaya II) Northern Plain (Gangetic Plane) III) Peninsular Plateau: a) Vindhyan Mountain b) Satpura Upland c) Deccan Plateau d) Western Ghat IV) Coastal Plain and islands <b>C) Drainage:</b> i) Himalayan Drainage System ii) Peninsular Drainage System	18	30
3	Climate, Soil and Natural Vegetation	<b>Climate:</b> A) Climatic Regions of India B) Factors Affecting Climate C) Monsoon : i) Characteristics of Monsoon ii) Branches: Bay of Bengal and Arabian Sea iii) South West and North East and Retreating Monsoon D) Distribution of Rainfall <b>Soil:</b> a) Major soil types b) Soil erosion and conservation. <b>Natural Vegetation:</b> a) Major types of vegetation b) Distribution of vegetation c) Economic importance of forest	15	25

4	Population and Industries	<p><b>Population:</b></p> <p>A) Distribution of Population  B) Density of Population  C) Factors Affecting Distribution of Population  D) State wise Capital Centers and Metropolitan Centers.</p> <p><b>Industries:</b></p> <p>A) Industrial Zones in India  B) Development of Industries and Government Policy</p>	15	25
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**Reference :**

- 1) Chandana R C (1992): A geography of population, Kalyani publishers, Ludhiana.
- 2) **Gharpure V T. (2004):** Geography of India, Pimpalpure Publication, Nagpur.
- 3) **Majid Husen (2007) :** Geography of India, Rawat Publication, Jaipur
- 4) **Magar jaikumar (2008):** Geography of India, Vidya Prakashan, Nagpur
- 5) **Nag P. and S. Sengupta(2001):** Geography of India, Rawat Publication, New Delhi
- 6) **Prasad K.N. (1983):** Problems of Indian Economic Development, Sterling, New Delhi.
- 7) **Santosh Dastane(2011) :** : Bharat Ek Pahani. Dastane Ramchandra ani company, Pune.
- 8) **Singh R L (Ed. 1971):** India –Regional Geography, NAGI, Allahabad.
- 9) **Tiwari R C (2004):**Geography of India, Prayag Pustak Bhawan, Allahabad.
- 10) **Wadia D N ( 1993):** Geology of India, Tata McGraw hill, New Delhi.
- 11) Qureshi M. H (1990): India- Resources and regional development, N C E R T, New Delhi.

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**S.Y.B.A. SEMESTER.- IV**  
**NEW SYLLABUS OF GEOGRAPHY (w.e.f. : June 2016)**  
**GEOGRAPHY OF TOURISM MANAGEMENT**  
**Code: – APC-II ( 465207)**

Objectives: 1. To familiarize the students with the aspects of tourism management.  
2.To acquaints the students with travel agencies and their management.

Unit No.	Topic	Sub Topic	Periods	Marks
I	<b>Role of Accommodation</b>	1.Need of different types of Accommodation 2. Types of Accommodation 3. Hotels, Types of Hotels. 4. Motels, 5. Dharmashalas, 6. Tourist Homes, 7. Youth Hostels, 8. Rail-Yatri-Bhavans, 9. House boats, 10 Govt. Accommodations, 11Private Accommodations	15	25
II	<b>Travel Agencies</b>	1. Definition and History of Travel Agency. 2. Functions of Travel Agencies.	10	20
III	<b>Tourism Marketing</b>	1. Concept of Marketing : a. Tourism product- b. Attraction and facilities, c. Accessibility, marketing, d. characteristics. 2. Types of Tourism Marketing a. Vocational Tourism, Business b. Tourism, common interest tourism. 3. Function of Tourism Marketing a. Marketing Research, b. Advertisement, Sales supports, c. Public relations, d. Tourism Publications	15	25
IV	<b>Development and Planning</b>	<b>(A)Tourism Planning:</b> (i) Tourism Planning in Developed and developing countries. (ii) Components of tourism Planning: a) Programme Implementation. b) Evaluation of national tourism attraction.	20	30

		<p>c) Infrastructural facilities.</p> <p>d) Model of tourism Planning.</p> <p><b>(B) Tourism Development:</b></p> <p>a) Development of tourism in India and Maharashtra.</p> <p>b) Tourism Policies of India and Maharashtra.</p> <p>c) Case study of following Tourist centers</p> <ol style="list-style-type: none"> <li>1. Ajantha &amp; Ellora</li> <li>2. Tourism in Konkan</li> <li>3. Temples, Churches &amp; Beaches in Goa.</li> <li>4. Major cities in Rajasthan : Jaipur, Jaismar, Ajmer, Pushkar etc.</li> </ol>	
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**Reference Books:**

- 1) **Bhatia A K (2001):**-Tourism Development , Scientific Publication, New Delhi.
- 2) **Boniface B. and Cooper C.(1987):**-The Geography of Travel and Tourism, Heinemann Professional Publishing. London, England .
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- 14) **Nagode & Pardhi D.A (2007):** Payrtan Bhugol, pimpalpure Prakashan , Nagpur