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23. Mather, J. R., Climatology, McGraw Hill, New York, 1974.
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26. Trewartha, G. T., An Introduction to Climate, International Students Edition, McGraw Hill, New York, 1980.
27. Anikouchine, W. A. and R. W. Sternberg, The World Oceans: An Introduction to Oceanography, Englewood Cliffs, N. J. 1973.
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30. King, C. A. M., Beaches and Coasts, E. Arnold, London, 1972.
31. King, C. A. M., Oceanography for Geographers, E. Arnold, London, 1975.
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34. Thurman, H. B., Introductory Oceanography, Charles Webber E. Merrill Publishing Co., 1984.
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36. सविन्द्रसिंह : भौतिक भूगोल, वसुन्धरा प्रकाशन, गोरखपुर, 1997
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38. चतुर्भुज मामोरिया एव जैन : भौतिक भूगोल एवं जीव मण्डल, साहित्य भवन आगरा, 1996
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41. तिवखा, रामनाथ : भौतिक भूगोल, केदारनाथ रामनाथ, मेरठ
42. तिवारी, ए. के. : जलवायु विज्ञान के मूल तत्व, राज.हिन्दी ग्रन्थ अकादमी, जयपुर
43. नेगी, बी. सी. : जलवायु विज्ञान तथा समुद्र विज्ञान, केदारनाथ रामनाथ, मेरठ

B.A. First Year
Subject: Geography
Paper: II Human Geography

Unit – I

- a) Definition and scope of Human geography.
- b) Its relation with other social sciences.
- c) Schools of Human geography: - Determinism, Possibilism and Neo – Determinism.
- d) Concept of Man – Environment relationship.
- e) Fundamental principles of Human geography: Principles of activities, Principle of areal differentiation, Principle of terrestrial unity.

Unit – II

- a) Stages of evolution of man
- b) Races of mankind: - criteria of classification according to G. Taylor
- c) Classification and distribution of races according to G. Taylor
- d) Factors of evolution of human races
- e) Migration zone theory by Griffith Taylor

Unit – III

- a) Distribution of Tribes in the world.
- b) Habitat, Occupation & social organization: Pigmies, Badawins, Eskimos and Khirgiz,
- c) Distribution of Tribes in India
- d) Habitat, economic activities and social organization of Bhil, Naga, Toda and Santhal.
- e) Early economic activities of mankind :- Food gathering, Hunting, Fishing & Shifting cultivation.

Unit – IV

- a) Distribution of population: world distribution pattern physical, economic and social factors influencing spatial distribution.
- b) Concept of over population, under population, optimum population and zero population growth.
- c) Demographic transition theory.
- d) Migration-internal and international, general laws of Migration
- e) Concept of human development and population problems and policy of India.

Unit – V

- a) Settlement: origin and types of settlement.
- b) Rural settlement-Pattern of rural settlements, house types and building materials, rural settlement in India
- c) Urban settlement- origin of towns, patterns of cities.
- d) Functional classification of cities, zoning of cities, Christaller's theory
- e) Urbanization and problems: slums, town planning, concept and principles.

*Note – Stencils are to be permitted in the examination.

Suggested Readings:

1. Brunhes, J. : Human Geography
2. Huntington, E.: The Principles of Human Geography, John Wiley & Sons, N.Y.
3. Perpillou, A.V. : Human Geography, Longmans, 1965
4. Money, D.C.: An Introduction to Human Geography; U.I.P. London
5. Karan, M.P. : Manav Bhugol ke Siddhant, Kitabghar, Kanpur
6. Mamoria, C.B. : Principles of Human Geography
7. Negi, B.S. : Human Geography- An Ecological Aproach, Kedarnath Ramnath, Meerut,1982
8. Dwivedi, R.L. & Singh, R.L. : Manav Bhugol ki Samiksha
9. Blache Vidal de la : Manav Bhugol ke Siddhant (in Hindi)

B. A. First Year Subject: Geography Practical

Practical: Cartography-I (Scales and presentation of geomorphic and climatic data)

The art and science of cartography; history; techniques and preparation of maps and their classification.

1. Scales: plain, diagonal, comparative, time and Venire's (two exercises of each scale and two scales on each sheet). (10 exercises)
2. Enlargement, reduction and combination of maps (2 exercises)
3. Methods of representation of relief: hachure, form line, contour and layer tint methods. (4 exercises on two sheets)
4. Composite features to be drawn with the help of contours based on topo sheets representing the typical areas of glaciated region, arid region, region and fluvial region (any one of either youth, mature and old stage). (4 exercises)