

B.A./B.Sc. 3rd Semester

A. Theory-4 Credits

60 Marks

GG-CR-17301

Title: Human Geography

Credit: I

1. Pragmatism and Positivism
2. Behavioural Approach
3. Humanistic Approach
4. Radicalism

Credit: II

1. Races: Physical and Socio-Economic Characteristics, Spatial Distribution
2. Major Religious Groups: Spatial diffusion and distribution (Christianity, Islam, Hinduism and Buddhism)
3. Economic activities (Primary Secondary, Tertiary and Quaternary)
4. Human Adaptation and Environment
 - i. Cold region- Eskimo
 - ii. Mountain –Gujjars

Credit: III

1. Population: Structure and Composition (Age, Gender), Comparison between developed and developing countries
2. Distribution and density of Population: Factors (Geographic, Socio-Economic and Demographic)
3. Concepts of Over-Population, Under-Population and Optimum-Population, Zero-Population growth
4. Theories of Population Growth: Malthus and Demographic Transition

Credit: IV

1. Resources- concept and classification
2. Sustainable development of resources
3. Land degradation- causes and consequences
4. Water resource depletion- causes and consequences

Suggested Readings

1. Beblig, H.J., Human Geography: Culture, Society and Space, John Wiley, New York, 1996.
2. Singh, K.N., People of India, An Introduction, Seagul Book, 1992.
3. Spate O.H.K, People of India, An Introduction, Seagul Books, 1992.
4. Majid Hussain, Human Geography, Rawat Publications 1994

5. L. N. Verma, Urban Geography, Rawat Publications 2006
6. Grish Chopra, Economic Geography, Commonwealth 2006
7. T. C. Sharma, Economic Geography of India, Rawat Publications 2013
8. R. K. Jain, A Textbook of Population Studies, Astha Publishers and Distributors 2014
9. Hans Raj, Fundamentals of Demography, Surjeet Publications.

B.A./B.Sc. 3rd Semester

B. Practical-2 Credits

30 Marks

GGP-CR-17301

Title: Quantitative Techniques in Geography

Credit: I

1. Measures of Central Tendency: Mean, Median, Mode, Partition Values (Quartiles, Deciles & Percentiles)
2. Measures of Dispersion: Mean Deviation, Standard Deviation and Coefficient of Variation in data analysis
3. Correlation Analysis: Scatter Diagram and Karl Pearson's method
4. Use of above mentioned Statistical tools in Physical and Socio-Economic Data Analysis

Credit: II

1. Field work and Field report of Physical Geography of the Area.

Suggested Readings

1. Mahmood A., Statistical Methods in Geographical Studies, *Rajesh Publication, Delhi*.
2. Gupta S.P., Statistical Methods, *Sultan Chand And Sons, New Delhi*.
3. Elhance D. and Elhance V., Fundamentals of Statistics, *Kitab Mahal Publications, New Delhi*.
4. Najma Khan, Quantitative Methods in Geographical Research, *CPC, New Delhi 1998*.
5. Pal, S.K., Statistics for Geographers- Techniques and Applications, Concept, New Delhi, 1998.
6. Jones, p .A., Fieldwork in Geography, Longman, 1968.
7. Singh, R.L. and Dutt, P.K.: Elements of Practical Geography Kalyani Publishers, New Delhi.
8. Ashis Sarkar, Quantitative Geography- Techniques and Presentation, Oriental Blackswan 2013
9. Monkhouse, F.J. & Wilkinson, H.R., Maps and Diagrams, Mthuen, London, 1994.
10. Sarkar ,A.K., Practical Geography- A Systematic Approach, orient Longman, Calcutta, 1997.
11. Singh,R.L.,Elements of Practical Geography, Kalyani Pub, New Delhi.
12. L. R. Singh, Fundamentals of Practical Geography, Sharda Pustak Bhawan 2006
13. Gopal Singh, Map World and Practical Geography, Vikas Publishing House 2000

Credit -I

- 1) Instrument Field Surveying---Introduction
- 2) Types of Surveying
- 3) Surveying Instruments

Credit- II

Plane table survey

- 1) Radiation method (3-exercises)
- 2) Intersection method (3-exercises)
- 3) Resection method (3-exercises)

Credit- III

- 1) Dumpy level (3-exercises)
- 2) Theodolite (3-exercises)

Credit-IV

- 1) Prismatic Compass survey
Open Traverse (2 exercises)
Closed Traverse (2 exercises)
- 2) Attendance
- 3) Record file
- 4) Viva voce

Suggested Readings

1. Pal, S.K., Statistics for Geographers- Techniques and implications, Concept, New Delhi, 1998.
2. Robinson, A.H et al., Elements of Cartography, John Wiley and Sons, U.S.A., 1995.
3. Sarkar, A.K., Practical Geography: A Systematic Approach, Oriental Longman, Calcutta, 1997.
4. Singh, R.L, and Dutt, P.K., Elements of Practical Geography; Kalyani Publishers New Delhi, 1979.
5. Gopal Singh, Map World and Practical Geography; Vikas Publishing House 200.