

SEMESTER – II

Course no.	Name of Course	Marks				Credit
		ESE	CE	A	Total	
C-5	Geographical Thoughts & Methods	75	20 (Class Test)	5	100	5
C-6	Economic & Transport Geography	75	20 (Class Test)	5	100	5
C-7	Agricultural & Industrial Geography	75	20 (Class Test)	5	100	5
C-8	Quantitative Methods in Geography	75	20 (Class Test)	5	100	5

Course No. – C 5

Course Name: GEOGRAPHICAL THOUGHT & METHODS

GEOGRAPHICAL THOUGHT

Unit–I: General character of geographic knowledge during the ancient and medieval period; Foundations of modern geography; Contribution of German, French, British and American schools; Geography of inequality; Social well-being and welfare approach.

Unit–II: Paradigms shift; Man and Environment; determinism and possibilism; areal differentiation and spatial organization; Quantitative revolution, Role of positivism, humanism, radicalism and behaviouralism in geography.

METHODS

Unit–I: Ideographic and Nomethetic; Quantitative revolution: Application of quantitative techniques.

Unit–II: Model in Geography; Model buildings: Problems and prospects.

References

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- Brown, E.H. (Ed): Geography, yesterday and tomorrow.
- Coffey, William J., Geography towards general spatial systems approach.
- Cox, K.R. & Colledge R.C.: Behavioural problems in Geography revisited.
- Cox, K.R.; Man; Location and Behaviour: An Introduction to Human Geography,
- Dickinson, R.E.; The makers of modern Geography.
- Dikshit, R.D. (Ed.) 1994: The Art & Science of Geography Integrated Readings, Prentice Hall of India, New Delhi.
- Gould, J.R: An introduction to Behavioural Geography
- Hagget, Peter; Locational analysis in Human Geography.
- Hagget, Peter; Geography: A modern synthesis.
- Hartshorne, R.; The Changing nature of Geography.
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- Harvey, David, Explanation in Geography
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- Jones, Emrys, Human Geography.
- Minshull, Roger, Regional Geography: Theory and Practice.

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- New Zealand Journal of Geography - No.61, Oct. 1976.
- Peet, Richard, Radical Geography: Alternative view points on Contemporary Social issues.
- Smith, D.M., Human Geography: A Welfare approach.
- Smith, R.I. (Ed), The ecology of man.
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- The Calcutta Review – New Series, Vol. III, No.1, 1977.

Course No. – C 6

Course Name: ECONOMIC & TRANSPORT GEOGRAPHY

ECONOMIC GEOGRAPHY

Unit–I: Location of economic activities and spatial organisation of economies; Classification of economies; Sectors of economy: Primary, secondary, tertiary and quaternary; Natural resources: Renewable and non-renewable; Conservation of resources.

Unit–II: World economic development: Measurement and problems; Energy crisis; The limits to growth; World agriculture types and regions; Major industries (Aerospace, Fishing, Tourism, Steel, Healthcare, Fruit and Education) of the world – their location, pattern, problems and prospects.

TRANSPORT GEOGRAPHY

Unit–I: Nature and scope of transport geography; Geographic relevance of transportation; Transport and development: Conceptual frameworks; Models of global relevance: (i) The Vance model, (ii) The Rimmer model, and (iii) The Taaffe, Morrill and Gould model.

Unit–II: The Modes of transport: Introduction to the modes of transport; Modal characteristics, Roads, Railways, Underground roads/railways, Pipelines, Ropeways and Cableways, Waterways and Airways and their role in

regional development; Accessibility and connectivity; Comparative cost advantages; Development in communication and information technology and their impact on economy and society; Indian space programme.

References

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- Chatterjee, S.P.: Economic Geography of Asia, Allied Book Agency, Calcutta, 1984.
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- Eckarsley, R. (ed.): Markets, the State and the Environment, Mc Millan, London, 1995.
- Garnier. B.J. and Delobez, A Geography of Marketing, Longman, London, 1979.
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- Hay, A. (1973), Transport Economy, Macmillan, London.
- Hoyle, Band Knowles, R. (2000), Modern Transport Geography, John Wiley and Sons, New York.
- Hoyle, B.S. (1973) Transport and Development, Macmillan, London.

Course No. – C 7

Course Name: AGRICULTURAL & INDUSTRIAL GEOGRAPHY

AGRICULTURAL GEOGRAPHY

Unit–I: Defining the field: Introduction, nature and scope, Land use/land cover classification and definition; Determinants of agriculture: Physical, technological and institutional.

Unit–II: Concept and techniques of delimitation of agricultural regions; Measurement of agricultural productivity; Crop combination and diversification; Von Thunen's model; Agriculture systems of the world; Problems of Indian agriculture.

INDUSTRIAL GEOGRAPHY

Unit–I: Evolution and classification of industries: Weber's and Losch's approaches; Resource based and footloose industries; Locational factors of Indian industries – Cotton, Jute, Textile, Iron and Steel, Aluminium, Fertiliser, Paper, Chemical, Pharmaceutical and Automobile industries.

Unit–II: Industrial houses and complexes including public sector undertakings; Industrial regionalisation; New industrial policies; Multinationals and liberalization; Special Economic Zones.

Reference:

- Andrae, B.(1981) Farming Development and Scope: A World Agricultural Geography, Water de Grytar, New York
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Course No. – C 8

Course Name: QUANTITATIVE METHODS IN GEOGRAPHY

Unit–I: Introduction: Sources and types of data; Sampling: Methods, classification and tabulation of data; Basics of computer: Hardware and software; MS-Office and scanning.

Unit–II: Statistical techniques and measures of Central tendency – Mean, median, mode, mean deviation and standard deviation; Scatter diagram; Time series analysis; Correlation coefficient; Regression; Test of significance: Chi-square test; Lorenz curve; Ginni's coefficient.

Unit–III: Thematic mapping: Crop combination, agricultural efficiency, location quotient, co-efficient of geographical association; Spatial distribution of population and population potential.

References:

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