

B.A. Semester – III
Discipline Specific Course (DSC) under CBCS
GY-T C: REGIONAL GEOGRAPHY OF KARNATAKA

Unit	Title	Sub-unit	Hrs
I	Physical Aspects	Location, Size, Extent	16
		Physiographic divisions.	
		Climate, Rivers, Soils and Vegetation.	
II	Agriculture and River Valley Projects	River Valley Projects: Krishna, Malaprabha, Ghataprabha, Tunga Bhadra and Cauvery Rivers.	22
		River Water Dispute: Cauvery, Krishna and Kalasa Banduri.	
		Irrigation: Sources and Types	
		Types of Agriculture.	
III	Mineral Resources and Industries	Distribution and Production of Mineral Resources: Iron ore, Manganese Bauxite and Gold.	10
		Distribution and Production of major industries: Iron and Steel, Sugar, Cotton textile and Cement Industries.	
IV	Transportation	Patterns of Road and Railway, Ports and Harbours.	05
V	Population	Growth and distribution, Density, Sex-ratio and Literacy.	07
		Process of urbanization and trends.	

References:

1. Karnatak State Gazetteer, 2 Volume.
2. Mallappa: Geography of Karnataka
3. Misra R.P: Geography of Karnataka State
4. NBK Reddy & Murthy G.S: Regional Geography of Mysore State
5. Dr. Ranganath: Regional Geography of Karnataka, Mysore Book House, Mysore
6. ಪ್ರೊ. ಡಿ. ಎ. ಕೊಲ್ಲಾಪುರೆ & ಪ್ರೊ. ಎಸ್.ಎಸ್.ನಂಜನ್ನವರ: Regional Geography of Karnataka
7. S.S.Nanjannavar & M.N.Meeranaik: Geography of Karnataka
8. ಡಾ. ಎಂ.ಬಿ.ಗೌಡರ: Regional Geography of Karnataka

B.A. Semester – III
Discipline Specific Course (DSC) under CBCS
GY-Pr C: Interpretation of Topographical Maps

Unit	Title	Sub-unit	Hrs
I	Representation of relief features	Methods of Representation of Relief Features	04
		Hill, Types of slopes-Convex, Concave, Undulating and Uniform slopes. Saddle, Plateau, Escarpment, Spur, Gorge, U & V Shaped valleys, Pars and Water Falls.	08
II	Marginal information of SOI Topographical Maps	Arrangement and marginal information of SOI Topographical Maps	04
		Conventional Signs and Symbols and Colours convention used in SOI Topographical Maps	08
III	Interpretation of Indian Topographical Maps	Relief Features	24
		Drainage Patterns	
		Vegetation Distribution	
		Settlement types and Distribution	
		Land-Use Patterns	
		Transport and Communication	
	Cross Section.	04	

References:

1. Gopal Singh: Map work and Practical Geography, 3rd ed. Vikas Publishing Houde, New Delhi.
2. Gupta K and Tyagi V.C : Working with Maps, Survey of India, Dept. of Sci. and Technology, Govt. of India, Dehra Dun 1992.
3. Jacki Smith B.A (ed): Dictionary of Geography, Cosmo Publications, New Delhi
4. John and Keats: Cartographic design and production. 2nd ed. 1989, John wiley, NY
5. Mishra R.P: Fundamentals of Cartography, 1969, Prasaranga, University of Mysore.
6. Monkhouse F.J and : Maps and Diagrams, Wilkinson H.R Mathuen and Co. Ltd. London,
7. Phyllis Dink: Map work, 10th ed. Atma Ram and Sons, Delhi 1969.
8. Raisz E: General Geography, 1948, Tata, Mc-Grow-Hill New York.
9. Ranganath : An introduction to practical Geography, Vidyanidhi Publication, Gadag.
10. Singh R.L: Elements of Practical Geography, Kalyani Publishers, New Delhi.
11. ಡಾ. ರಂಗನಾಥ: ಪ್ರಾಯೋಗಿಕ ಭೂಗೋಳಶಾಸ್ತ್ರ.
12. ಡಾ. ಎಸ್.ಎಸ್.ನಂಜಣ್ಣನವರ & ಡಾ. ಎಂ. ಎಚ್. ಕರಣ್ಣವರ: ಪ್ರಾಯೋಗಿಕ ಭೂಗೋಳಶಾಸ್ತ್ರ.

B.A. Semester – IV
Discipline Specific Course (DSC) under CBCS
GY-T D: Environmental Geography

Unit	Title	Sub-unit	Hrs
I B.S.L MLU	Introduction 55T	Meaning and components of environment. Field and scope of environmental Geography	05
II	Ecosystem L T N B.A / B.S.L	Types, Structure and Functions - Productivity, Food-chain, Food-Web, Ecological Pyramid. Bio-Geo-Chemical cycle – Hydrological, Carbon, Nitrogen Oxygen and Energy flow in the eco- system.	20
III	Bio-Diversity D.S.N B.S.L 55M B.A	Types and Uses of Bio-Diversity, Threats to Bio-Diversity. Endangered Species of India. Conservation of Bio-Diversity.	13
IV B.S.L MLU	Global Warming and Environmental Pollution 55T	Green House effects. Ozone layer depletion- Causes, Consequences and protection	05
	B.A / B.S.L	Causes, Effects and Measures to control the pollution : Air, Water Soil and Solid waste.	12
V B.S.L MLU	Conservation and Management of Environment 55T	National and International: Policies, Rio Summit, Kyoto Declaration and Swatch Bharat Abhiyan	05

References:

1. Agarawal K.C: Environmental Biology, Nidhi Pub. Bikaner, 2001.
2. Chausasia B.P: Environmental Pollution, Consequences and Measures.
3. Mathur H.S: Environmental Resources, The Crises of Development.
4. Odum E.P: Fundamentals of Ecology, WBSaunders Co. London, 1971.
5. Saxena H.M: Environmental Geography, Rawat Pub. Jaipur, 1999.
6. Sharma P.D: Ecology and Environment: Rastogi Pub. New Delhi, 1999.
7. Strahler and Strahler: Geography and Mans Environment, John Wiley New York,
8. Heywood V.H. & Warson R.T: Global Bio-Diversity Assessment, CUP,1995.
9. Darsh M.C: Fundamentals of Ecology, Tata McGrow Hills New Delhi, 2002.
10. ಡಾ. ಎಲ್.ಟಿ.ನಾಯಕ: ಪರಿಸರ ಭೂಗೋಳಶಾಸ್ತ್ರ
11. ಡಾ. ಎಂ.ಬಿ.ಗೌಡರ: ಪರಿಸರ ಭೂಗೋಳಶಾಸ್ತ್ರ
12. ಪ್ರೊ. ಡಿ. ಎ. ಕೊಲ್ಲಾಪುರೆ & ಪ್ರೊ. ಎಸ್.ಎಸ್.ನಂಜಣ್ಣನವರ: ಪರಿಸರ ಭೂಗೋಳಶಾಸ್ತ್ರ

B.Sc. Semester – IV
Discipline Specific Course (DSC) under CBCS
GY-Pr D: Map Projections

Unit	Title	Sub-unit	Hrs
I	Introduction of Map projection	Meaning, Classification, importance, Properties and Uses of Map Projections.	04
II	Map Projections: Properties, Uses and Graphical Construction	Cylindrical Projections: Simple Cylindrical, Cylindrical – equal area Mercator's Projection.	12
		Conical Projections: Conical Projection with one standard parallels Bonne's Projection.	12
		Zenith Projections: Polar Zenith equal area, Gnomonic Stereographic and Orthographic	12
III	Conventional Projections	Sinusoidal Projection and Millweids Projection	12

References:

1. Salar Masood M: Map Projections, Rao and Raghavam Co. Mysore.
2. Ranganath : Map Projections (Kan. Ver.) Chetana Book House, Mysore.
3. Ervin Raisz: General Cartography, Mc Graw Hill Book Company,
4. Singh R.L: Elements of Practical Geography, Allahabad.
5. George P. Kellaway: Methuen & Co. Ltd. London.
6. Gopal Singh: Map work and Practical Geography, Surjeet Pub. New Delhi.
7. S.S.Nanjannavar & M.F.Karennavar: Practical Geography.
8. Dr. S.S.Kadaramandalagi: Practical Geography.
9. Prof. P.Mallappa :Map Projections. Chetana Book House, Mysore

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