



ST. ALOYSIUS COLLEGE(AUTONOMOUS), JABALPUR

Reaccredited 'A+' Grade by NAAC(CGPA:3.68/4.00)

College with Potential for Excellence by UGC

DST-FIST Supported & STAR College Scheme by DBT

Faculty of Arts

SUBJECT: ECONOMICS

B.A. (Honours) IV YEAR

Paper-DSE II

INFRASTRUCTURE DEVELOPMENT

Course Outcomes

CO. No.	Course Outcomes	Cognitive Level
CO 1	Understand Infrastructure economics, distinguishing between physical and social components.	U
CO 2	Apply traditional and Modern methodologies for economic growth through Infrastructure..	Apply
CO 3	Excel in evaluating infrastructure as a public goods mastering marginal cost pricing and handling pricing controversies.	Eval and App
CO 4	Skillfully address pricing challenges, harmonizing free- market principle with equity and efficiency goals.	An and App
CO 5	Adeptly apply economic concepts to assess infrastructure project recognizing the role of non- rival in consumption and shaping development	U and Apply

Credit and Marking Scheme

	Credits	Marks		Total Marks
		Internal	External	
Theory (Major/Minor)	4	30	70	100

Evaluation Scheme

	Marks	
	Internal	External
Theory	3 Internal Exams of 20 Marks (During the Semester) (Best 2 will be taken)	1 External Exams (At the End of Semester)



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Content of the Course

No. of Lectures (in hours per week): 3 Hrs. per week

Total No. of Lectures: 45 Hrs.

Maximum Marks: 70

Unit	Topic	No. of Lectures
I	Infrastructure and Economics Development: 1. Meaning and Definition of infrastructure 2. Type of Infrastructure- 2.1 Physical infrastructure- Transportation, Energy 2.2 Social Infrastructure- Education Health 3. Approaches to Infrastructure- Traditional Perspective and Modern Methodologies 4. Infrastructure and Economics Development	12
II	Infrastructure and Public Utilities: 1. Infrastructure as a public Goods, Characteristics of public Utilities and Accessibility for the Entire Population 2. Marginal Cost Pricing in Public Utilities - Concept of Marginal Cost Pricing, Dual Pricing Controversy, Cross- Subsidization. 3. Free prices, Equity and Efficiency- Challenges in Pricing Strategies, Balancing Free Price, Equity and Efficiency Goals	12
III	Concept Used in Infrastructure Economics: 1. Natural Monopoly, Possibility of Price Exclusion and High Sunk cost 2. Non – Rivals in Consumption and Externalities 3. Non- Tradability of output Infrastructure 4. Growth and Development through Infrastructure 5. Finance and Foreign Capital for Infrastructure	12
IV	Economics of Energy, Education and Health Infrastructure: 1. Energy Need of India and Evaluation of Energy Requirement 2. Mix of Renewable and Non Renewable Energy Resources 3. Sources of Electricity- Thermal, Hydel, Nuclear 4. Differentiating Human and Physical Capital 5. Demand for Education and Its cost and Benefits 6. Economic Dimension of Healthcare	12
V	Infrastructure Projects in India and Madhya Pradesh: 1. Bharatmala Project 2. Sagarmala Project 3. Smart Cities Mission 4. Pradhan Mantri Gram Sadak Yojna (PMGSY)	12



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5. Narmada Vally Development Project	
6. Ken- Betwa River Linking Project	
7. Delhi- Mumbai Expressway	
8. Narmada Expressway	
9. Floating Solar Power Plant, Khandwa	

Suggested Readings:

1. Crew, M.A & P.R Kleindorfer, Public Utility Economics Macmillan, London
2. ICSSR, K.S(Ed), India Infrastructure Vol. VI. New Delhi
3. Parikh K.S (Ed) Indian Development Report-1999-2000 Oxford. New Delhi
4. Turvey, R (Ed), Public Enterprises, Penguin, Harmondsworth
5. Welson J.R Marginal Cost Pricing in Practice, Prentics Hall
6. Kneafsey, J.T Transportation economics Analysis, Lexington, Toronto
7. Munty, D(Ed) Transport: Selected Reading, Penguin Harmondsworth.
8. Farir, M.T & R Sampson. Public Utilities. Houghton Mifflin, Boston.
9. Asonofsy, J.A Rao & M. Shakeen (Eds) Energy Policy. North Holland, Amsterdam

