UNIVERSITY OF RAJASTHAN
JAIPUR
SYLLABUS

Post -Graduate Diploma
In
Project Planning
&
Infra Structure Management

Examination – 2021
DEPARTMENT OF ECONOMIC ADMINISTRATION AND FINANCIAL MANAGEMENT

POST-GRADUATE DIPLOMA IN PROJECT PLANNING & INFRA-STRUCTURE MANAGEMENT

EXAM 2024

Scheme of Examination

1. A Candidate must obtain for a pass at least 25% marks in each individual paper and the monograph and 36% marks in the aggregate. The classification of successful candidates will be as follows:
   - First Division 60% of the aggregate marks
   - Second Division 48%
   All the rest will be declared to have passed the examination. Every candidate shall be required to offer the following six papers and each paper of three hours duration carrying 100 marks.

2. There will be five questions in all. The candidates are required to attempt all the question. There will be one question from each unit with an internal choice (either/or).

3. Every candidate for the above diploma Examination shall be required to offer the following papers. Each theory paper shall be of 3 hours duration and carry 100 marks.

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PAPER I: PROJECT FORMULATION

Time: 3 hours  Max. Marks: 100

Unit I  Defining the project: The Objective, identification and definition, project classification.

Parameters of project formulation: project formulation and planning, Project formulation and the entrepreneur, Project formulation and financial institution, Project formulation and the Government
Unit II  
Elements of Project Formulation: Techniques.

Unit III  
Techno-Economic Analysis: Determination of project demand potential, Volume of output, Cost of production, present value and internal rate of return. Project Technology, Selection of Optimal Project -Strategy, the Techno -Economic appraisal.

Unit IV  
Project Designing and Network Analysis: Project formulation and PERT/CPM techniques.

Unit V  
Input Analysis: Identification of the nature of resources to be consumed by the project. Estimation of the Magnitude of the resource requirements and Evolution of the regular of resources.

Books Recommended:
1. Mattoo, P.K.: Project Formulation in Developing Countries.

PAPER II - PROJECT APPRAISAL

Time: 3 hours  
Max. Marks: 100

Unit I  
General aspects of Project appraisal and its significance. A brief history of Project appraisal. The presentation of project analysis.

Unit II  

Unit III  
Commercial profitability-net present value. Internal rate of return. payback period, simple rate of return, break even analysis, sensitivity analysis.

Unit IV  
Social Cost Benefit Analysis-Historical development of cost-benefit analysis. Distinction between analysis and financial and economic through, Identification of costs and benefits Direct costs and benefit , Indirect costs and benefits-redistribution of income.

Unit V  
Role of shadow Prices in project appraisal, Shadow prices of labour, Foreign exchange and investment. Estimation Social rate of discount.
Books Recommended:
10. O.E.C.D: Manual of Industrial Project Analysis in Developing Countries.
11. Mattoo, P.K: Project Formulation in Developing Countries.

PAPER III : INFRASTRUCTURE AND AREA DEVELOPMENT

Time: 3 hours                  Max. Marks: 100


Unit II A General study of infrastructure for the Indian economy with special reference to Rajasthan.

Unit III Backward Area: General Criteria for backwardness of and area Government policy for the development of backward areas - Concessions and incentives. A brief review of Pandey Committee and Wanchoo Committee Reports.

Unit IV Strategy for Industrial Area Development: Concept of Areas Development. Basic requirement for Area Development Authority, Infrastructural Facilities and their management of the Area Development Authority. Area Development Significance of and its problems.

Unit V Development of Industries Estates with special reference to Rajasthan Distinction between Industrial Area and Industrial Estate.

Role of Development and Finance Corporations in Infrastructure and Area Development.

Books Recommended:
2. Dagli, V. L: Infrastructure for the Indian Economics.
3. Ravkin, M.D: Area Development for Indian Economics.
4. Mishra and Others: Regional Development Planning of India.
7. Ranjipandhay: Industrialization through Estates.
8. Somasekhara, N: The Efficacy of Industrial Estates in India.

**PAPER IV: PROJECT MANAGEMENT AND INVESTMENT**

**Time**: 3 hours  
**Max. Marks**: 100

**Unit I**  

**Unit II**  
Project Organisation: the project manager-responsibilities and authority. structure of Project Management. Task forces.

**Unit III**  
Scheduling and Network models in Project Management. Milestone chart, Gantt chart, Network Project control system and performance Standard; Progress Reporting-cost analysis and control: project delays and problems of their prevention.

**Unit IV**  
The Computer as a tool of Project Management.

**Unit V**  
The Project Choice: Investment evaluation, the financial evaluation of the project: Traditional methods, Discounting methods and cost of capital.

**Books Recommended:**
1. Baumgartner, J.S.: Project Manager.
3. Lock, D: Project management with CPM and PERT.

**Paper-V: Project Work and Viva-Voce**

Project work of about 5,000 words based on six weeks practical training indicating the candidate own experience with regard to cases / problem approved for the purpose by the Head of the Department. The candidates project work, along with the certificates from the supervisor/teacher concerned will be required to submit before commencement of theory examination.

- **Project Work**: 50 Marks
- **Viva-Voce**: 50 Marks

*Signature*

Dy. Registrar  
(Academic)  
University of Rajasthan  
JAIPUR