

Puducherry PWD JE Syllabus 2024

The Puducherry Public Works Department officials issued a thorough statement announcing the Puducherry PWD JE & Overseer Syllabus 2024. The Puducherry PWD JE Exam 2024 will be a written exam consisting of Paper 1 and Paper 2 to assess the individual's expertise. Paper 1 will consist of questions on General English, General Awareness, General Science, Analytical and Reasoning Ability, and Computer Knowledge.

Paper 2 will focus on questions about the main subjects of Civil Engineering. The examination will include questions that are consistent with the Diploma standard. This section contains the syllabus for the Puducherry PWD JE & Overseer Exam 2024, organized by topic.

Puducherry PWD JE Syllabus – Paper 1

Subject	Topics
General English	Error Detection
	Grammar
	Fill in the blanks
	One-word substitution
	Preposition
	Sentence rearrangement
	Reading Comprehension

General Awareness	History
	Indian Polity
	Economics of India
	Geography of India
	General Knowledge of Puducherry
	Current Affairs
	Arts and Culture
	Awards and Honors
	Sports
	Science and Technology
General Science	Physics- Units and Measurement, Motion and its laws, Force, Work, Energy & Power, Gravitation, Solids & Fluids, Sound, Oscillations, Heat & Thermodynamics, Electricity, Magnetism, Light, Waves, Sources of Energy, Modern Physics, etc.
	Chemistry – Matter and its composition, Atoms, Molecules & Nuclear Chemistry, Classification of Elements, Chemical Bonding, Metals and Non-Metals, Acid and Bases, Chemical Reactions, Organic Chemistry, Environmental Chemistry, etc.

	Biology – Biological Classification, Cell and its division, Genetics & Biotechnology, Blood, Respiration, Circulatory System, Evolution and Ecological Biodiversity, Nutrition, Health and Diseases, Reproduction, etc.
Analytical and Reasoning Ability	Decision Making
	Analogy and Classification
	Series
	Coding-Decoding
	Blood Relation
	Seating Arrangement
	Puzzle
	Order and Ranking
	Calendar and Clock
	Arithmetic Reasoning
	Non Verbal Reasoning

Puducherry PWD JE Syllabus – Paper 2

Paper 2 covers a wide range of key Civil Engineering subjects to assess the candidate's professional expertise. To increase their chances of passing the exam, candidates should focus on technical

courses. The subjects covered in the Puducherry PWD JE Syllabus for Paper 2 are as follows:

Topic	Description
Strength of Materials	Study of the behavior of solid objects subject to stresses and strains, including elasticity, plasticity, and failure theories.
Building Materials	Examination of various materials used in construction, such as bricks, cement, steel, timber, and their properties.
Estimating, Costing & Valuation	Techniques for calculating the quantities of materials, labor, and other resources needed for construction, as well as methods for determining the cost and value of properties.
Surveying	The process of determining the three-dimensional positions of points and the distances and angles between them, crucial for planning and executing construction projects.
Soil Mechanics	Study of soil properties and behavior under different conditions, essential for foundation design and construction.
Hydraulics	Principles and applications of fluid mechanics in civil engineering, including the study of flow, pressure, and fluid systems.

Water Resources and Irrigation Engineering	Planning and management of water resources, including the design and operation of irrigation systems.
Transportation Engineering	Design, construction, and maintenance of transportation systems, including roads, bridges, tunnels, and railways.
Environmental and Public Health Engineering	Engineering principles applied to improve and maintain public health through water supply, waste disposal, and environmental conservation.
Structural Engineering	Analysis and design of structures that support or resist loads, including buildings, bridges, and other frameworks.
Theory of Structures	Theoretical study of structures, including concepts like stability, determinacy, and the analysis of various structural elements.
Concrete Technology	Study of concrete as a construction material, including its properties, mix design, curing, and testing methods.
RCC Design	Design and analysis of Reinforced Cement Concrete structures, including beams, columns, slabs, and foundations.
Steel Design	Design principles and methods for steel structures, including connections, frames, and composite structures.