



RSPCB JSO Syllabus & Exam Pattern

परीक्षा का पाठ्यक्रम एवं परीक्षा की योजना (Syllabus, Examination Scheme):-

Syllabus (Junior Scientific Officer):

PART-A

- Environmental General knowledge

This section will contain questions on National/International events related to environment and common understanding of environmental processes, NGT Act, Pollution Indices.

- Environmental Impact Assessment/ Environmental Legislations in India

Basic concept of Environmental Impact Assessment, Environmental Impact Statement and Environment Management Plan; Prediction and assessment of impacts on air, water, biota, noise, cultural and socioeconomic environment; Rapid and comprehensive Environmental Impact Assessment.

Environment (Protection) Act 1986, its amendments and various rules /notification made therein. Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981.

- Water/Waste Water/Industrial Waste Water Analysis

Physical, chemical and biological characteristics of water, waste water and Sewage, performance evaluation of waste water treatment system.

- Air and Noise Pollution

Sources of air pollution; Properties of air pollutants; Meteorological factors influencing dispersion of air pollutants; Gaussian plume model for dispersion of air pollutants and its application; Effects on human health. Control technology for particulate and gaseous pollutants from industries. Air pollution due to Automobiles and emission control; Principles of measurements and equipment use for major parameters (Water/Air/Noise); Basics of noise pollution, Measurement and management of noise and effects on human beings, Ambient Air Quality standards & Air Quality Index.

- Municipal Solid, Biomedical, e-waste, plastic waste and Hazardous solid Waste

Problems associated with solid Waste viz; municipal, biomedical, hazardous, e-waste, plastic waste etc., its generation, classification, characterization, analysis, treatment, reuse, recycle etc; Risk associated with hazardous waste & its Assessment; Waste Minimization; Priorities in hazardous waste management; hazardous waste treatment.

PART-B

- General Knowledge (with special reference to history, art, culture, traditions, literature, heritage and geography of Rajasthan, Mathematics, reasoning current affairs)

Examination Scheme:- There will be one paper consisting of two parts having multiple choice type questions. There will be total 150 numbers of questions of 3 marks each. The question paper will be only in English.

Junior Scientific Officer:

Paper-Subject	No. of Question	Time	Total Marks
PART-A : Environmental Science	120	3 Hours	450
PART-B : General Knowledge	030		
Note:-(1) Each question will carry 3 marks.			
(2) One mark will be deducted for each incorrect answer			

