

General subjects for Post-1 (all Scientist-B posts):

- Environmental Laws
- International Environmental Treaties
- Water Quality Assessment
- Drinking Water Quality
- Climate Change
- Environmental Meteorology
- Environmental Sciences
- General Mathematics
- General knowledge, science
- Mental Ability
- English

	Name of Post	Syllabus
Paper-1 (A)	Scientist-B (Chemical, Civil & Environmental Engineering)	<p>Subject Specific:</p> <ul style="list-style-type: none"> - Chemistry for Environmental Engineering - Sewage Treatment Plants - Air Pollution Control Technologies - Waste Management (Solid Waste, Hazardous waste, E-Waste, Biomedical Waste, Plastic Waste and used Batteries waste) - Industrial Wastewater Treatment (Design of ETPs/CETPs etc.) - Sewerage and Water Supply Engineering - Noise Pollution & Control - Basic Hydraulic Engineering (measurement of flow etc.) - Landfill Design - Soil Contamination & Remediation - Water & Air Quality sampling - Industrial <u>Process and</u> Pollution Control <u>in</u> Thermal Power Plant, Tanneries, Dairy, Steel <u>plant</u>, Oil Refineries, <u>dye and dye intermediates, Fertilizer and Pharmaceutical industries</u> - Sensors & Transducers, Measurement techniques used in GC/GC-MS/NDIR/Spectrophotometer/HPLC/AAS/ ICP/ERY/ED-ERF/ Flame photometer/ FTIR/ Etc. - Continuous Emission Monitoring Systems - Units and Standards. Measurement of current, Voltage, power, Power-factor and energy. Indicating instruments. Measurement of resistance, inductance. Capacitance and frequency. - <u>Chemical processes calculations (mass balance, combustion calculation and energy balance)</u>

Bold & underlined indicates the new addition in the syllabus.

No other change in the syllabus uploaded on 28-3-2018

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10/05/18