

WBPSC Lab Assistant Syllabus || Check Laboratory Assistant Exam Pattern

WBPSC Lab Assistant Exam Pattern

Type of the Test	Part	Name of the Subjects	Number of Questions	Total Marks	Time Duration
Objective Questions	Part-A	General Knowledge (GK)	100	100	3 hours
	Part-B	biology, Physics, Chemistry	200	200	
Total			300	300	

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General Knowledge

- Indian Politics.
- Indian Economy.
- Famous Days & Dates.
- Sports.
- Indian Culture.
- Zoology.
- Chemistry.
- Indian Parliament.
- Geography.
- Indian History.
- Physics.
- Inventions in the World.
- Basic GK.
- Botany.
- Basic Computer.
- Famous Books & Authors.
- Current Affairs
- Environment.

Biology

- Economic Importance of Plants.
- Plant Anatomy
- Environmental Studies.
- General characters of Algae, Fungi, Lichens, Bryophyta, Pteridophyta, Gymnosperms, and Angiosperms.
- Plant Physiology:
- Cell:
- Morphology of Angiosperms:
- Biotechnology.

Physics

- Electric Current
- Optics
- Dynamics of Rigid Body
- Thermodynamics
- Oscillations
- Waves
- Electrostatics
- Atom
- Nuclei
- Semiconductor Electronics

Chemistry

- Types of solutions (Gas solutions, Liquid solutions, Solid solutions)
- Ideal & Non-ideal solutions
- Colligative properties of solutions
- Raoult's law
- Pauli's exclusion principle
- Aufbau principle
- Fundamental particles of an atom (electron, proton, neutron)
- Rutherford's nuclear model
- Quantum Nos.
- Types of orbital (s, p, d, f), the shape of orbital
- Modern periodic table
- Variation in atomic properties (Size, ionization potential, Electron affinity, Electronegativity)
- Solute, Solvent, Solution
- The concentration of solutions (Molarity, Normality, Formality, Molality, Mole fraction, Weight percent)