

WBPSB Laboratory Assistant Syllabus 2020 || Download PSCWB Laboratory Assistant Exam Pattern @ www.pscwbonline.gov.in

WBPSB Laboratory Assistant Preliminary Exam Pattern

| S. No | Test Type | Part | Subject Names | No. of Questions | Total Marks | Time Period |
|--------------|---------------------|--------|-----------------------------|------------------|-------------|-------------|
| 1 | Objective Questions | Part-A | General Knowledge (GK) | 100 | 100 | 3 hours |
| 2 | | Part-B | biology, Physics, Chemistry | 200 | 200 | |
| Total | | | | 300 | 300 | |

WBPSB Laboratory Assistant Syllabus 2020

General Knowledge (GK)

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

Biology

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

Physics

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

Chemistry

- Fundamental particles of an atom (electron, proton, neutron)
- Rutherford's nuclear model
- Quantum Nos.
- Pauli's exclusion principle
- Aufbau principle
- 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)
- Types of solutions (Gas solutions, Liquid solutions, Solid solutions)
- Raoult's law
- Ideal & Non- ideal solutions

- Colligative properties of solutions

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