

Exam Pattern For WBHRB Medical Technologist:

S.no	Name of the Subjects	Type of Examination
1.	General Knowledge	Written Examination (Objective Type Multiple Choice Questions)
2.	Computer Knowledge	
3.	General English	
4.	Physics	
5.	Chemistry	
6.	Biology	

Syllabus For WBHRB Medical Technologist:

General Knowledge (सामान्य जानकारी):

- Economy.
- Scientific Research.
- Culture.
- General Politics.
- Current Affairs – National & International.
- Economy, Banking, and Finance.
- Indian Constitution.
- India and its neighboring countries.
- Sports.
- Knowledge of Current Events.
- Countries & Capitals.
- Science – Inventions & Discoveries.
- History.
- Budget and Five Year Plans.
- Geography.
- Important Financial & Economic News.

Computer Knowledge:

- Knowledge of Database
- Working of Internet
- Basics of Computer different generations
- MS Office and Shortcuts used in MS Office
- Input/Output Devices
- Important abbreviations Basic Networking
- Knowledge of hardware/software

General English:

- Vocabulary.

- Fill in the blanks.
- Grammar.
- Spot the error.
- Antonyms.
- Synonyms/ Antonyms.
- Sentence structure.
- Spellings.
- Passage.
- Verbal Comprehension passage etc.
- Verbs.
- Adjectives.
- Clauses.
- Detecting Mis-spelt words.
- One word substitutions.
- Idioms and phrases.
- Improvement.

Physics:

- Physical world and measurement
- kinematics
- Laws of Motion
- Work, Energy & Power
- The motion of System of Particles and Rigid body
- Gravitation
- Properties of Bulk Matter
- Electromagnetic Waves
- Optics
- Dual Nature of Matter and Radiation
- Atoms and Nuclei
- Electronic Devices
- Communication Systems
- Properties of Bulk Matter
- Heat and Thermodynamics
- The behavior of Perfect Gas and Kinetic Theory
- Oscillations and Waves
- Electrostatics
- Current Electricity
- Magnetic effects of current & Magnetism
- Electromagnetic induction and Alternating Currents

Chemistry:

1. Some basic concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodicity in Properties
4. Chemical Bonding and Molecular Structure
5. States of Matter: Gases and Liquids
6. Thermodynamics
7. Equilibrium

8. Redox Reactions
9. Hydrogen
10. S-Block Elements (Alkali and Alkaline earth metals)
11. Some P-Block Elements
12. Organic Chemistry
13. Hydrocarbons
14. Environmental Chemistry
15. Electrochemistry
16. Chemical Kinetics
17. Surface Chemistry
18. General Principles and Processes of Isolation of Elements
19. P-Block Elements
20. D-and F-Block Elements
21. Haloalkanes and Haloarenes
22. Alcohols, Phenols & Ethers
23. Aldehydes, Ketones and Carboxylic acids
24. Organic compounds containing Nitrogen
25. Biomolecules
26. Polymers
27. Chemistry in Everyday life

Biology:

- Biology And Human Welfare
- Diversity In Living World
- Structural Organisation In Animals And Plants
- Cell: Structure And Function
- Sexual Reproduction
- Genetics And Evolution
- Plant Physiology
- Biotechnology And Its Applications
- Ecology & Environment
- Agriculture
- Crop Production