

Exam Pattern For DFSL Scientific Assistant:

S. No	Subject Name	Type of Exam
1.	General Awareness	
2.	Reasoning	
3.	Quantitative Aptitude	Objective type of questions
4.	English	
5.	Concerned Subjects	

DFSL Maharashtra Scientific Assistant Syllabus:

General Awareness:

- Science and innovation.
- Political Science.
- World organizations.
- History of India.
- Knowledge of current events.
- Scientific observations.
- Indian Culture.
- Countries and Capitals.
- Economic issues in India.
- National news (current).
- Famous Places in India.
- International issues.
- Geography of India.
- About India and it's neighboring countries.

Logical Reasoning:

- Number Ranking.
- Similarities and Differences.
- Analogy.
- Clocks & Calendars.
- Relationship Concepts
- Mental Ability.
- Logical Sequence of Words.
- Coding-Decoding.
- Statements & Conclusions.
- Number Series.
- Relationship Concepts.
- Non-Verbal Series.
- Verbal and Figure Classification.
- Arrangements.
- Arithmetical Reasoning.
- Relationship Concepts.

Quantitative Aptitude:

- Compound Interest.
- Allegations & Mixtures.
- Percentages.
- Mensuration.
- Problems on Ages.
- Permutations & Combinations.
- Partnerships.
- Discounts.
- Boats & Streams.
- Time & Work.
- Simplifications.
- Averages.
- Simple Interest.
- Geometry.
- Number System.
- Time & Distance.
- Fundamental Operations.
- Least Common Multiple (LCM) & Highest Common Factor (HCF).
- Problems on squares, cubes.
- Probability.
- Ratios & Proportions.
- Profit & Loss.

General English:

- Transformation.
- Synonyms.
- Substitution.
- Active Voice and Passive Voice.
- Spotting Errors.
- Antonyms.
- Joining Sentences.
- Prepositions.
- Error Correction (Underlined Part).
- Sentence Arrangement.
- Error Correction (Phrase in Bold).
- Idioms and Phrases.
- Para Completion.
- Sentence Completion.
- Passage Completion.
- Sentence Improvement.
- Spelling Test.
- Fill in the blanks

DFSL Scientist Assistant Peon Syllabus 2018:

- Water Resources.
- Hydrology.
- Geo-information.
- Hydraulics.

- Irrigation.
- Oceanography.
- Climate Science.
- Remote Sensing.
- Environmental Basics.
- Applied Geology.
- Water Resources Engineering.
- Soil and Water Conservation.
- Geo-informatics.
- Earth Science.
- Hydrology.
- Geophysics.
- Meteorology.
- Agricultural Engineering.

For Chemistry:

- Redox Reactions.
- Nuclear Chemistry.
- Photochemistry.
- Inorganic reaction mechanism.
- Thermodynamics.
- Quantum Chemistry.
- Chemical Kinetics.
- Analytical Chemistry.
- Electrochemistry.
- Bio-inorganic Chemistry.
- Structure and Bonding.
- Chemistry of Transition Elements.
- Organic Synthesis.
- Analytical techniques.
- Acids and Bases.

For Physics:

- Electromagnetic Theory.
- Condensed Matter Physics.
- Quantum Theory and its Applications.
- Electronics.
- Thermodynamics and Statistical Mechanics.
- Mathematical Methods.
- Experimental Physics.
- Classical Mechanics and Relativity.
- Atomic and Molecular Physics.
- Nuclear and Particle Physics.