MEDICAL RESEARCH FELLOWSHIP ORGANISATION (MRFO)

NATIONAL SCHOLARSHIP ELIGIBILITY TEST (MSET) – 2026

GENERAL SYLLABUS | NCERT-BASED | ENGLISH-ONLY EXAMINATION

1. EXAMINATION PATTERN

Particulars	Details
Examination Name	MRFO National Scholarship Eligibility Test (MSET) – 2026
Purpose	Scholarship eligibility and merit assessment
Academic Eligibility	Class 12 passed, subject to the academic eligibility of the selected fellowship course
Syllabus Basis	Relevant NCERT concepts, primarily from Classes 9–12, as applicable to each topic
Examination Mode	Online Computer-Based Test (CBT)
Question Type	Multiple-Choice Questions (MCQs)
Total Questions / Maximum Marks	100 questions / 100 marks
Duration	90 minutes
Examination Language	English only
Negative Marking	No negative marking (proposed)

2. SECTION A: GENERAL SCIENCE — 25 MARKS

Physics

- Motion and Laws of Motion
- Force and Gravitation
- Work, Energy and Power
- Sound and Light
- Electricity and Magnetism
- Sources of Energy
- Applications of Physics in Daily Life

Chemistry

- Nature and States of Matter
- Atoms and Molecules
- Structure of the Atom
- Chemical Reactions and Equations
- Acids, Bases and Salts
- Metals and Non-Metals
- Carbon and Its Compounds
- Chemistry in Everyday Life

Biology

- Cell Structure and Functions
- Human Body Systems
- Nutrition and Digestion
- Respiration and Circulation
- Human Health and Diseases
- Basic Genetics and Heredity
- Environment, Ecology, Biodiversity and Conservation

3. SECTION B: MATHEMATICS AND QUANTITATIVE APTITUDE — 20 MARKS

- Number System; Percentages; Ratio and Proportion; Average
- Profit and Loss; Simple and Compound Interest
- Time and Work; Time, Speed and Distance
- Basic Algebra and Linear Equations
- Mensuration
- Data Interpretation, Tables and Graphs
- Basic Probability

4. SECTION C: LOGICAL REASONING — 15 MARKS

- Number Series and Alphabet Series

- Coding and Decoding; Analogy; Classification
- Blood Relations; Direction Sense; Ranking and Order
- Logical Sequence
- Statement and Conclusion
- Pattern Recognition and Basic Analytical Reasoning

MRFO MSET 2026 — GENERAL SYLLABUS (CONTINUED)

5. SECTION D: ENGLISH LANGUAGE — 10 MARKS

- Basic English Grammar and Parts of Speech
- Tenses; Articles and Prepositions
- Subject–Verb Agreement
- Vocabulary; Synonyms and Antonyms
- Sentence Correction and Error Detection
- Reading Comprehension

6. SECTION E: COMPUTER AND DIGITAL LITERACY — 10 MARKS

- Fundamentals of Computers
- Hardware and Software; Input and Output Devices
- Operating Systems
- Basic MS Office Applications
- Internet and Web Browsing; Email and Digital Communication
- Cyber Security; Digital Privacy and Data Protection
- Introduction to Artificial Intelligence
- Basic Concepts of Data and Information
- Digital Learning Platforms

7. SECTION F: GENERAL KNOWLEDGE AND CURRENT AWARENESS — 10 MARKS

- General Knowledge of India
- Fundamentals of the Indian Constitution
- Indian History and Geography
- Science and Technology; Important National Institutions
- Environment and Climate
- Health and Nutrition Awareness; Public Health Fundamentals
- Digital India and Emerging Technologies
- Current Affairs

8. SECTION G: HEALTH AWARENESS AND SCIENTIFIC APTITUDE — 10 MARKS

- Major Human Body Organs and Their Functions
- Balanced Diet and Nutrition; Personal Hygiene and Sanitation
- Communicable and Non-Communicable Diseases
- Importance of Vaccination
- Basic First Aid Awareness
- Public Health and Community Hygiene
- Identification of Health-Related Misinformation
- Introduction to Medical Research
- Scientific Thinking and Evidence-Based Knowledge
- Basic Awareness of Medical Imaging
- Role of Data and Technology in Healthcare

9. SECTION-WISE MARKS DISTRIBUTION

Section	Subject	Questions	Marks
A	General Science	25	25
B	Mathematics and Quantitative Aptitude	20	20
C	Logical Reasoning	15	15
D	English Language	10	10
E	Computer and Digital Literacy	10	10
F	General Knowledge and Current Awareness	10	10
G	Health Awareness and Scientific Aptitude	10	10
TOTAL	**7 Sections**	**100**	**100**

10. PROPOSED DIFFICULTY LEVEL

Easy: 40% | Moderate: 40% | Advanced: 20%

11. PROPOSED PERFORMANCE CATEGORIES

Score	Performance Category
90–100	Outstanding
75–89	Very Good
60–74	Good
45–59	Satisfactory
Below 45	Needs Improvement

12. GENERAL INSTRUCTIONS

- All questions shall be objective-type multiple-choice questions (MCQs).
- Each question shall carry one mark.
- The test will assess general knowledge, scientific understanding, quantitative aptitude, reasoning, English language proficiency and digital literacy.
- The syllabus is based primarily on relevant NCERT concepts; the exact depth of each topic may be specified in the final examination notice.
- Candidates must independently satisfy the academic eligibility requirements of their selected fellowship course.
- Qualifying the scholarship test shall not automatically guarantee admission or a scholarship.
- The final examination pattern, eligibility criteria and scholarship rules shall be subject to formal approval by the competent authority.

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