

MSU Tirunelveli Non Teaching General Knowledge Syllabus

- General Science
- Abbreviations
- Science & Technology
- Indian Constitution
- Countries, Capitals & Currencies
- Books & Authors
- Indian Polity
- Indian Geography
- Current Affairs – National & International
- Indian Culture & Heritage
- History – India
- Indian Economy

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- Compound interest
- Square root
- Ratio-proportion
- Multiplication factors
- Cartesian coordinates
- Simple interest
- Equations
- Cubic origin (up to 6-digit numbers) by the Vedic method Factors
- Profit-loss
- Similar Triangles
- Logarithm
- Angle and lines formed at a point
- Quadratic equation
- Discount
- Percentage
- Volume
- Linear equations with two variables
- Simple linear shapes

MSU Tirunelveli General Science Syllabus

- Oxidation and reduction reactions
- Chloro-Fluoro Carbon or Freons
- Blood transfusion
- Physical & Chemical Charges

- Allotropes of carbon
- Electric cell
- Malnutrition and human health
- Catalysts
- Polymers
- Compressed Natural Gas
- Electric generator
- Biotechnology General information
- Transgenic organisms
- Reflection of light and its laws
- Faraday's law of electromagnetic induction
- Hydrocarbons
- Structure of ecosystems
- Ohm's Law
- Dispersion of Light
- Pathogens and human health
- Development of new plant varieties
- Electric current
- Biotic factors of ecosystem
- The energy flow of ecosystem
- Environmental Study
- Biogeochemical cycles

MSU Tirunelveli Non Teaching General English Syllabus

- Transformation of Sentences: Assertive to Negative
- Use of Articles and Determiners
- Use of Prepositions
- Interrogative, Exclamatory and vice versa
- One word Substitution
- Glossary of Official, Technical Terms (with their Hindi Versions)
- Tenses/ Sequence of Tenses
- Voice: Active and Passive
- Translation of Simple (Ordinary/ Common) Sentences from Hindi to English and Vice Versa
- Confusable words
- Synonyms
- Forming new words by using prefixes and suffixes
- Adjectives, Connections, and words wrongly used
- Knowledge of writing letters: Official, Demi Official, Circulars, and Notices, Tenders
- Narration: Direct and Indirect
- Antonyms
- Comprehension of a given passage

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- वाच्य:- कर्तृवाच्य, कर्मवाच्य और भाववाच्य प्रयोग
- कार्यालयी पत्रों से संबंधित ज्ञान
- शब्द-युग्म
- प्रत्यय
- अंग्रेजी के पारिभाषिक (तकनीकी) शब्दों के समानार्थक हिंदी शब्द
- सरल, संयुक्त और मिश्र अंग्रेजी वाक्यों का हिंदी में रूपांतरण और हिंदी वाक्यों का अंग्रेजी में रूपांतरण
- संज्ञा शब्दों से विशेषण बनाना
- विपरीतार्थक (विलोम)शब्द
- उपसर्ग
- सामासिक पदों की रचना और समास-विग्रह
- पर्यायवाची शब्द
- वाक्यांश के लिए एक सार्थक शब्द
- क्रिया ा: सकर्मक, अकर्मक और पूर्वकालिक क्रियाएँ
- मुहावरे और लोकोक्तियाँ
- अनेकार्थक शब्द
- शब्द- शुद्ध ि: अशुद्ध शब्दों का शुद्धिकरण और शब्दगत अशुद्धि का कारण
- संधि और संधि विच्छेद
- वाक्य- शुद्ध ि: अशुद्ध वाक्यों का शुद्धिकरण और शब्दगत वाक्यों का कारण

MSU Tirunelveli Computer Knowledge Syllabus

- Instant Messengers.
- E-mail.
- Page Layout.
- Windows.
- Files and Folders.
- Introduction to Windows.
- Zip & Unzip files.
- Utilities.
- Internet Browser.
- Internet.
- Word Processing.
- Presentation Software
- Spreadsheets etc.

MSU Tirunelveli Non Teaching Reasoning Syllabus

- Visual Memory
- Clocks
- Discrimination

- Space Visualization
- Odd man out
- Symbolic/ Number Classification
- Analytical Reasoning
- Letter series
- Arithmetical Number Series
- Relationship Concepts
- Figural Classification
- Similarities
- Coding-Decoding
- Shapes and Mirror
- Arithmetical Reasoning
- Venn diagrams
- Non-Verbal Test
- Semantic Analogy
- Number series
- Problem Solving

msuniv.ac.in Aptitude Syllabus

- Time and Work
- Profit and loss
- Average
- Simple & Compound Interest
- Number System
- HCF
- LCM
- Simplification
- Ratio and Proportion
- Unitary Method
- Decimal Fraction
- Percentage
- Time and Distance
- Mensuration
- Algebra etc.

MSU Tirunelveli Lab Technician Clinical Pathology Syllabus

- Histopathology
- Cytology and general pathology
- Hematology
- Clinical pathology
- Immunohematology

MSU Tirunelveli Lab Technician Clinical Microbiology Syllabus

- General Microbiology
- Virology
- Automation in Microbial Identification
- Bacteriology
- Mycology & Parasitological

MSU Tirunelveli Lab Technician Clinical Biochemistry Syllabus

- Biochemistry topics
- Water, chemicals, solutions, and reagents
- Infrastructure in the laboratories
- Laboratory Services
- Specimen collection, storage & Transport

MSU Tirunelveli Junior Engineer Syllabus for Civil Engineering

- Building Materials.
- Estimating, Costing, and Valuation.
- Surveying.
- Soil Mechanics.
- Hydraulics.
- Irrigation Engineering.
- Transportation Engineering.
- Environmental Engineering.

MSU Tirunelveli Junior Engineer Structural Engineering Syllabus

- Theory of Structures.
- Concrete Technology.
- RCC Design, Steel Design.

MSU Tirunelveli Junior Engineer Syllabus for Electrical Engineering

- Basic concepts.
- Circuit law.
- Magnetic Circuit.
- AC Fundamentals.
- Measurement and Measuring Instruments.
- Electrical Machines.
- Fractional Kilowatt Motors and single phase induction Motors.

- Synchronous Machines.
- Generation.
- Transmission and Distribution.
- Estimation and Costing.
- Utilization and Electrical Energy.
- Basic Electronics.

MSU Tirunelveli Junior Engineer Syllabus for Mechanical Engineering

- Theory of Machines and Machine Design.
- Engineering Mechanics and Strength of Materials.
- Properties of Pure Substances.
- 1st Law of Thermodynamics.
- 2nd Law of Thermodynamics.
- IC Engines Combustion.
- Air standard Cycles for IC Engines.
- IC Engine Performance.
- IC Engine Cooling & Lubrication.
- Rankine cycle of System.
- Boilers.
- Classification.
- Specification.
- Fitting & Accessories.
- Air Compressors & their cycles.
- Refrigeration cycles.
- The principle of Refrigeration Plant.
- Nozzles & Steam Turbines.
- Properties & Classification of Fluids.
- Fluid Statics, Measurement of Fluid Pressure.
- Fluid kinematics.
- Dynamics of Ideal fluids.
- Measurement of Flow rate.
- Basic principles.
- Hydraulic Turbines.
- Centrifugal Pumps.
- Classification of steels.