

RSMSSB Junior Instructor Syllabus 2024

Mathematics Syllabus

Topics Covered in Mathematics Syllabus for RSMSSB Junior Instructor Exam	
System of Units and their Conversion	Simple and Compound Interest
Factors	Algebra
HCF & LCM	Trigonometry
Fractions	Material Science
Ratio and Proportions	Mass, Weight, Volume, Density and Specific Gravity. Numerical related to L-Section, C-Section, O-Section only.
Percentage	Centre of Gravity and its Practical Application
Profit and Loss	Friction
Heat, Temperature and Pressure, Effects of Heat, Transmission of Heat.	

Engineering Syllabus

Topics Covered in Engineering Syllabus for RSMSSB Junior Instructor Exam	
Introduction to Engineering Drawing and Drawing Instruments, Sizes and Layout of Drawing Sheets, Position and Content of Title Block and Conventions.	Concept of Axes Plane, Quadrant, Orthographic and Isometric Projections
Types of Lines, Lettering, Numbering and Dimensioning	Different Types of Sign and Symbols used in Electrical, Electronics, Mechanical and Automobile Trades.
Geometrical Figures and Blocks with Dimension	Various Types of Electrical Wiring and Circuit Diagrams Study of schematic Diagram of Plate and Pipe Earthing.

Study of Mechanical and Electrical Measuring Tools and Hand Tools	Electrical, Electronics & Mechanical Components used in Automobile.
Types of Locking Devices	Various Network System

Computer Syllabus

Topics Covered in Computer Syllabus for RSMSSB Junior Instructor Exam	
Introduction to Computer & Windows: Input/output Devices, Memory, PORTs, Windows Explorer	Spreadsheets: Excel Menu Bar, Entering Data, Basic Formulae & Inbuilt Functions, Cell & Text Formatting, Navigating, Charts, Page Setup, Printing, Spreadsheets for Accounting
Menu, Managing Files & Folders, Setup & Accessories, Formatting, Creating CD/DVD	Working with Internet and Emails: Web Browsing & Searching, Downloading & Uploading, Managing an Email Account, e-Banking
Word Processing & Presentations: Menu Bars, Managing Documents & Presentations, Text Formatting, Table Manipulations, Slide Designs, Animations, Page Layout, Printing	

General Knowledge of Rajasthan Syllabus

Topics Covered in General Knowledge of Rajasthan Syllabus for RSMSSB Junior Instructor Exam	
History, Culture, Art, Literature, and Heritage of Rajasthan	Economy of Rajasthan
Geography of Rajasthan	Miscellaneous Events of the State
Rajasthan's Politics	

Employability Skills Syllabus

Topics Covered in Employability Skills Syllabus for RSMSSB Junior Instructor Exam

Importance of Employability Skills for the current job market and future of work	Communication etiquettes
Related GOI and private portals	Working collaboratively with others
Constitutional values - Citizenship	Diversity and Inclusion
Civic rights and duties, citizenship, responsibility towards society etc.	Behave, communicate, and conduct with others
Role of personal values and ethics	Posh act
Different environmentally sustainable practices	Financial and Legal Literacy
Becoming a Professional in the 21st Century Duration	Financial institutions, products, and services Conducting offline and online financial transactions
21st century skills	Components of salary, tax deductions
Continuous learning mind set	Budgeting
Basic English Skills	Legal rights, laws, and aids
Career Development & Goal Setting Career development plan	Essential Digital Skills
Short term and long-term goals	Role of digital technology
Communication Skills	XPICM Team
Verbal and non-verbal communication etiquette	

General Knowledge Syllabus

Topics Covered in General Knowledge Syllabus	
जल संरक्षण	परिवहन
अफ़वाह तंत्र	मृदा
प्राकृतिक वनस्पति	बहुउद्देशीय परियोजनाओं
कृषि- जलवायु प्रदेश एवं प्रमुख फसलें	सिंचाई परियोजनाओं
पर्यावरणीय एवं पारिस्थितिकीय मुद्दे	स्थिति एवं विस्तार
पशुधन	वन एवं वन्य जीव संरक्षण
खनिज सम्पदाएँमुख्य भौतिक विभाग- मरुस्थलीय प्रदेश, अरावली पर्वतीय प्रदेश, मैदानी प्रदेश, पठारी प्रदेश	मरुस्थलीकरण
खनिज सम्पदाएँ	जलवायु