

# Jammu and Kashmir State Road Transport Corporation

## Syllabus for the Post of Junior Assistant

Time Allowed: 2 Hour

No. of Questions: 100

### **English:**

Idioms & Phrases, Tenses, Error Correction, Sentence Rearrangement, Comprehension, One word substitutions, Subject-Verb Agreement, Articles, Synonyms, Fill in the Blanks, Grammar, Verb, Antonyms, Unseen Passages, Sentence structure, Adverb, Shuffling of sentence parts.

### **GENERAL KNOWLEDGE WITH SPECIAL REFERENCE TO J&K**

Abbreviations, Important dates, popular names of personalities and their achievements/Contribution (National and International). Constitution of J&K – Formation, Fundamental rights, Directive Principles. Weather, Climate, Crops, Means of Transport. Important power projects and their impact on State Economy. Rivers and Lakes. Important Tourist Destinations. History of J&K State. Historical places of the State and their importance. RTI Act. Indus Water Treaty and its impact on State economy.

### **GENERAL SCIENCE**

Various sources of energy; conventional sources of energy; improvement in technology focusing conventional source of energy (Biomass and wind energy), Non-conventional sources of energy (Solar energy, Tidal energy). Mechanics, Rest, motion, Velocities, acceleration, Newton Laws of motion, Voltage, Current, Resistance, Power, D.C Batteries, Waves, light as a wave, Sound waves, Transverse and longitudinal waves, Structure of Atom, Solids, Liquids and Gases (Basics), Life processes: Nutrition and its types, Respiration, Transportation of water, food and minerals in plants, Vitamins- Diseases related to vitamin deficiency, Environmental pollution, Ecosystem – Its components, Food chains and Food webs, Ozone layer, its depletion, Green House Effect, Importance of water in life

### **Computer Applications**

Fundamentals of computer science, Hardware & Software, Concept of Open Source Technologies, Input & Output Devices, Flow Charts and Algorithms, Operating System, MS Word, MS Excel, MS Access, MS Power-Point, Internet, & E-mail Concept of Computer Virus & latest Anti-Virus Terms and Abbreviations used in IT, Social media.

*Jandish*  
Manager (Estate)  
JKSRTC, Jammu.

*Praveen*  
Divisional Accounts Officer  
JKSRTC, Jammu.

*R. M.*  
General Manager (Mech)  
JKSRTC, Jammu.



# Jammu and Kashmir State Road Transport Corporation

## Syllabus for the Post of Helper (Class 10<sup>th</sup> Level)

Time Allowed: 1 Hour

No. of Questions: 60

### General Awareness

Economy, Science and Technology, Current Events, Political Awareness/Polity, Persons in News, Places in News, Important Awards & Honors, Sports

### Quantitative Aptitude

Numbers, Simplification, HCF & LCM, Percentage, Average, Ratio & Proportion, Profit & Loss, Partnership, Time and Work, Time and Distance, Number Series, Permutations & Combinations.

### Reasoning Ability

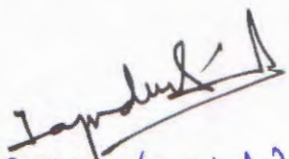
Analogy / Analogous Problems, Classification, Word formation, Series, Ranking / Arrangement, Coding & Decoding, Distance and Direction, Symbol & Notation, Scheduled Day or Date, Mathematical problem, Problem Solving: Data Analysis.

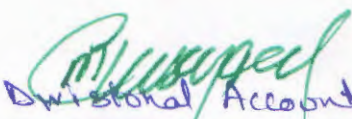
### General English

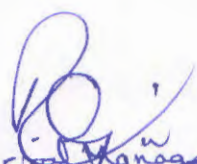
Passage, Common Errors, Sentence Improvement, Fill in the blanks, Antonyms and Synonyms, Use of Propositions, Nouns, Adverbs and Adjectives.

### Technical

Different types of hand Tools used in trade of mechanical / Auto Electrician / Smithy / Carpentry / Painting / Machining / Welding / Tailoring / Plumbing, Safety measures to be undertaken while working in workshop, different types of vehicle jacks used in case of emergency, Power systems in commercial vehicles, Process of painting of commercial vehicles, Different types of welding, use of arc and gas welding, scope of use of different types of needles in tailoring and advantages of same.

  
Manager (Estate)  
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JKSRTC, Jammu.



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## Syllabus for the Post of Conductor / Security Guard

Time Allowed: 1 Hour

No. of Questions: 60

**I. General Intelligence:** It would include questions of both verbal and non-verbal type. The test will include questions on Semantic Analogy, Symbolic operations, Symbolic/Number Analogy, Trends, Figural Analogy, Space Orientation, Semantic Classification, Venn Diagrams, Symbolic/Number Classification, Drawing inferences, Figural Classification, Punched hole/pattern-folding & unfolding, Semantic Series, Figural Pattern – folding and completion, Number Series, Embedded figures, Figural Series, Critical Thinking, Problem Solving, Emotional Intelligence, Word Building, Social Intelligence, Coding and de-coding, Other sub-topics, if any Numerical operations.

**II. English Language:** Spot the Error, Fill in the Blanks, Synonyms/Homonyms, Antonyms, Spellings/ Detecting Mis-spelt words, Idioms & Phrases, One word substitution, Improvement of Sentences, Active/ Passive Voice of Verbs, Conversion into Direct/Indirect narration, Shuffling of Sentence parts, Shuffling of Sentences in a passage, Cloze Passage, Comprehension Passage.

### III. Quantitative Aptitude:

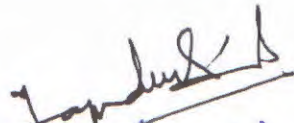
#### ARITHMETIC:

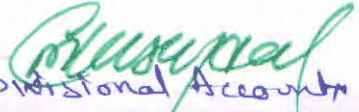
**Number Systems:** Computation of Whole Number, Decimal and Fractions, Relationship between numbers.


**Fundamental Arithmetical Operations:** Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound), Profit and Loss, Discount, Partnership Business, Mixture and Allegation, Time and distance, Time and work.

**MENSURATION:** Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base.

**General Awareness:** Questions are designed to test the candidate's general awareness of the environment around him and its application to society. Questions are also designed to test knowledge of current events and of such matters of everyday observation and experience in their scientific aspect as may be expected of an educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining to History, Culture, Geography, Economic Scene, General policy and scientific research.

  
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