

## UP Panchayat Raj Exam Pattern

S.No	Name of the Subjects	Duration of the Test
1.	General Awareness	2 Hours
2.	General Knowledge	
3.	Reasoning	
4.	General Aptitude	
5.	English	
6.	Mathematics	

### UP Panchayat Raj Syllabus - Topic Wise

#### General Knowledge

- Constitution of India.
- Indian History and culture, with particular reference to UP.
- General and Economic Geography of India, with particular reference to UP.
- Current events
- Everyday science and such matters of everyday observation.

#### General Awareness

- Famous Places in India.
- Science and innovations.
- New inventions.
- Scientific observations.
- History of India.
- Geography of India.
- Political Science.
- Countries and Capitals.
- National and international current affairs.
- Indian Culture.
- International issues.
- National News (current).
- Economic issues in India.
- World organizations.
- About India and it's neighbouring countries.

#### General English

- English grammar,
- vocabulary,

- spelling,
- synonyms,
- antonyms,
- power to understand and comprehend the English language and ability to.
- Discriminate between correct and incorrect usage.

### **Rural Development and Panchayat Raj Knowledge**

- Constitution Amendment to Article 73 and 74.
- History of UP Panchayat Raj.
- Constitution of Grama Panchayats, Powers, and Duties of Grama Panchayat Adhyaksha and Upadhyaksha.
- Duties of Gram Panchayat.
- Financial Resources of Gram Panchayat.
- The staff of Grama Panchayats and duties.
- National Rural Employment Guarantee Act and Scheme.
- Total Sanitation Campaign.
- Government Housing Schemes (Ashraya, Ambedkar, Indira Avas Yojana).

### **Reasoning Syllabus**

#### **Verbal Reasoning**

- Analogy
- Series Completion
- Verification of truth of the Statement
- Situation Reaction Test
- Direction Sense Test
- Classification
- Data Sufficiency
- Alpha-Numeric Sequence Puzzle
- Puzzle Test
- Blood Relations
- Coding-Decoding
- Assertion and Reasoning
- Arithmetical Reasoning
- Operations of Mathematics
- Venn Diagrams
- Word Sequence
- Missing Characters
- Sequential Output training
- Directions
- Test on Alphabets
- Eligibility Test

#### **Non-Verbal Reasoning**

- Dot Situation
- Identical figure groupings
- Forming figures and analysis
- Construction of Squares and Triangles
- Series
- Analytical Reasoning
- Paper Folding
- Paper Cutting
- Cubes and Dice
- Water Images
- Mirror Images
- Figure Matrix
- Completion Incomplete Pattern
- Spotting embedded figures
- Classification
- Rules Detection

### **General Aptitude Syllabus**

- Time and Distance
- Problems on Trains
- Time and Work Partnership
- Ratio and Proportion
- Boats and Streams
- Simple Interest
- Areas
- Averages
- Issues on L.C.M and H.C.F
- Pipes and Cisterns
- Issues on Numbers
- Compound Interest
- Volumes
- Profit and Loss
- Odd Man Out
- Races and Games
- Numbers and Ages
- Mixtures and Allegations
- Percentages
- Simple Equations
- Quadratic Equations
- Indices and Surds
- Mensuration
- Permutations and Combinations
- Probability
- Simplification and Approximation

## UP Panchayat Raj JE Syllabus – Civil

- Civil Engineering Materials and Construction.
- Solid Mechanics, Structural Analysis.
- Concrete Technology.
- Reinforced Concrete Structures.
- Steel Structures.
- PSC Structures.
- Fluid Mechanics.
- Hydrology & Water Resources Engineering.
- Hydraulic Structures.
- Soil Mechanics and Foundation Engineering.
- Transportation Engineering.
- Environmental Engineering.
- Surveying.
- Bridge Engineering.
- Estimation, Costing, and Specifications.
- Construction and Project Management.
- Environmental Studies etc.

## General Intelligence Syllabus

- Space Visualization.
- Problem Solving.
- Decision Making.
- Similarities and Differences.
- Relationship Concepts.
- Non-Verbal Series.
- Arithmetical Computation.
- Analysis.
- Visual Memory.
- Analytical Functions.
- Figure Classification.
- Number Series.

## Mathematics Syllabus

### Unit I:

- Whole number up to one crore,
- Place Value,
- Comparison,
- Fundamental mathematical operations: Addition, Subtraction, Multiplication, and Division;
- Indian Currency.

## Unit II:

- The concept of the fraction,
- proper fractions,
- comparison of the paper fraction of the same denominator,
- mixed fraction,
- comparison of appropriate fractions of unequal denominators,
- Addition and Substination of portions,
- Prime and composite number,
- Prime factors,
- Lowest Common Multiple (LCM)
- Highest Common Factor (HCF)

## Unit III:

- University Law,
- Average,
- Profit-Loss,
- Simple interest.

## Unit IV:

- Place and curved surfaces, plane and solid geometrical figures, properties of plane geometrical figures; pint, line, grey, line segment; Angle and their types.
- Length, Weight, Capacity, Time, measurement f area and their standard units and relation between them; Area and perimeter of plane surfaces of square and rectangular objects.

## Unit-V:

- Nature of Mathematics/Logical thinking.
- Place of Mathematics in Curriculum.
- Language of Mathematics.
- Community Mathematics.

## Unit-VI:

- Evaluation through formal and informal methods.
- Problems of Teaching.
- Error analysis and related aspects of learning and teaching
- Diagnostic and Remedial Teaching