

## MP Vyapam Sub Engineer Exam Pattern

Parts	Subjects	Number Of Questions	Time Duration
Part A	General Knowledge	100	3 Hours
	General Hindi		
	General English		
	General Mathematics		
	General Science		
	General Computer Knowledge		
Part B	Technical Subjects	100	3 Hours

## MP Vyapam Group 3 Syllabus - Topic Wise

### General Knowledge

- History – India & The World.
- Indian National Movement.
- Cultural Heritage.
- Geography – India & the World.
- About India.
- Indian Constitution.
- General Science.
- Indian Polity & Governance.
- Economy.
- Space and IT.
- Science & Technology etc.

## General English

- Vocabulary.
- Synonyms.
- Antonyms.
- Grammar.
- Spot the error.
- Sentence structure.
- Spellings.
- Shuffling of Sentences in a passage.
- Fill in the blanks.
- Shuffling of sentence parts.
- Detecting Mis-spelt words.
- One word substitutions.
- Cloze passage.
- Idioms and phrases.
- Comprehension passage etc.

## General Maths

- Number System.
- Decimal & Fractions.
- Simplification.
- Data Sufficiency.
- Time and Work.
- Profit and Loss.
- Time and Distance.
- Percentages.
- Ratio and Proportions.
- Problems on Ages.
- Average.
- HCF & LCM.
- Simple & Compound Interest.
- Mixtures & Allegations.
- Data Interpretation etc.

## General Hindi

- Vocabulary.
- Grammar.
- Antonyms.
- Synonyms.
- Samas.
- Gadyansh.
- Sandhi.
- One word substitutions.

- Muhavare and Lokoktiyan.
- Idioms and phrases.
- Fill in the blanks.
- Vakya Shodhan.
- Comprehension passage etc.

### **General Science**

- Physics.
- Chemistry.
- Biology.
- Science topics up to 10th standard.

### **Computer Awareness**

- MS Office.
- MS Word.
- Micro-soft PowerPoint.
- MS Excel.
- Windows.
- Internet Usage.
- Computer Software & Hardware etc.

### **Civil**

- Building Materials.
- Solid Mechanics.
- Design of Steel Structures.
- Design of Concrete & Masonry Structures.
- Construction Practices, Planning & Management.
- Fluid Mechanics.
- Open Channel Flow.
- Pipe Flow.
- Hydraulic Machines & Hydro Power.
- Hydrology.
- Water Resource Engineering.
- Surveying.
- Solid Waste Management.
- Environmental Engineering.
- Transportation Engineering etc.

### **Electronics**

- Transducers, Mechanical Measurement and Industrial Instrumentation
- Signals, Systems, and Communications
- Control Systems and Process Control

- Digital Electronics
- Analog Electronics
- Electrical and Electronic Measurements

### **Electrical**

- Electromagnetic Theory.
- Electrical Instrumentation.
- Electronics Devices.
- Electrical Machines.
- Analog and Digital Electronics.
- Network Analysis.
- Control Systems.
- Power System Protection.
- Power Electronics & Drives.
- The Power System Analysis & Control.
- Power Systems.
- Utilization of Electrical Energy.
- Switch Gear and Protection etc.

### **Mechanical**

- Applied Mechanics and Design.
- Mechanics of Materials.
- Engineering Mechanics.
- Vibrations.
- Theory of Machines.
- Fluid Mechanics and Thermal Sciences.
- Machine Design.
- Thermodynamics.
- Heat-Transfer.
- Engineering Materials.
- Materials, Manufacturing, and Industrial Engineering.
- Casting, Forming, and Joining Processes.
- Machining and Machine Tool Operations etc.