



# Indian Institute of Management Kashipur

## Pattern and Syllabus of the written test for the post of Junior Engineer (Civil) (Level 6)

There will be a **two-stage** recruitment exam for the post of Junior Engineer (Civil) (Level 6).

**A. Stage 1 Exam (Total Marks: 200, Duration: 02 hours):** Stage 1 exam will comprise of multiple-choice questions (MCQs) (Bilingual Paper). Two (2) marks will be awarded for each correct answer and minus one by two (-1/2) mark will be for each incorrect answer. It will comprise of the following two sections.

**1. Section 1 (100 Marks):** Mathematics & Numerical Ability, General Awareness and Current Affairs, Logical Reasoning

### **1.1 Mathematics & Numerical Ability (50 Marks)**

Numbers, H.C.F. & L.C.M. of Numbers, Problems on Ages, Percentage, Profit & Loss, Ratio & Proportion, Partnership, Time & work, Pipes & Cistern, Time & Distance, Problems on Trains, Alligation or Mixture, Simple Interest, Compound Interest, Permutations & Combinations, Probability

### **1.2 General Awareness and Current Affairs (24 Marks)**

- I. **Static GK** – This covers topic about the static facts, the facts that are never going to change in the future. It includes History, Geography, Economics and Polity
- II. **Current Affairs**– This is the dynamic portion and covers the events of national and international importance or recent developments.
- III. **Miscellaneous** – This part covers questions related to important days, National Schemes, Book Names and Authors, Computers, etc.

### **1.3 Logical Reasoning (26 Marks)**

Numerical series, Circular Seating Arrangement, Linear Seating Arrangement, coding and Decoding, Blood Relations, Analogy, Directions and Distances, Ordering and Ranking, Data Sufficiency, Number Puzzle, Statement and Conclusion, Venn Diagram



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2. **Section 2 (100 Marks)**: English Language and Comprehension, Computer Proficiency, Office Duties

## 2.1 English Language and Comprehension (50 Marks)

- I. **Vocabulary**: Synonyms & Antonyms, Fill in the blanks, spelling Test, Idioms and Phrases, One-word substitution, Sentence or Phrase Improvement
- II. **Grammar**: Sentence correction/ Spotting the error, Fill in the blanks, Sentence or Phrase Improvement, Active-Passive Voice, Direct-Indirect Speech III.  
**Comprehension**: Reading Comprehension

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IV. **Sentence Rearrangement**: Jumbled Sentence, Para jumbles

## 2.2 Computer Proficiency (30 Marks)

- I. Knowledge of MS Word, Excel, PowerPoint, and access including basic commands
- II. Google Doc, Emails, Internet, Commonly use social media handles (WhatsApp, FB, Twitter, etc.)

## 2.3 Office Duties (20 Marks)

- I. GoI Rules, Filing, Noting, Drafting
- II. Office Procedures, General Hindi

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**B. Stage 2 Exam** (Total Marks: 200, Duration: 03 Hours): Two parts and sections within to be answered in subjective / descriptive manner. No negative marking.

### 1. **Part - I (Descriptive / Subjective): 50 Marks**

I. **Office Management (20 Marks)**

Record and Files Management, Office Communication, Office Noting and Drafting, Accounts and Income Tax, Store & Purchase, Office Automation, Team Management, vendor management, business development, Moral Ethics, Project Management (specifically project scheduling)

II. **English Language and Comprehension\* (20 Marks)**

Paragraph Summary, Reading Comprehension & Inferences, Critical Reasoning, Email Drafting, Situational questions



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## III. Microsoft Office Skills (10 Marks)

Microsoft Word, Microsoft Excel, Microsoft PowerPoint

### **2. Part - II (Descriptive / Subjective): 50 + 100 = 150 Marks:**

#### Indicative Topics

#### **Section (A) Theoretical Knowledge [50 Marks]**

1. Construction Materials.
2. Design of beams, slabs, columns.
3. Primary and secondary treatment of sewerage; Effluent discharge standards; Sludge disposal; Reuse of treated sewage for different applications.
4. Statically determinate and indeterminate structures by force/ energy methods.
5. Concrete - Constituents, mix design, short-term and long-term properties.
6. Project planning and network analysis - PERT and CPM and Project Cost estimation.
7. Stability of slopes – Finite and infinite slopes, Bishop's method.
8. Characteristics, generation, collection and transportation of solid wastes.
9. Other relevant topics.

#### **Section (B) Practical Knowledge [100 Marks]**

10. Names of some new materials
11. Write specifications for some items of work.
12. Preparation of small estimates.
13. Mode of measurement of some common items.
14. Knowledge of important IS code.
15. Analysis of some items, assume data wherever required
16. Quality of effluents and drinking water.
17. Basic survey including soil investigation.
18. Design of basic RCC element and steel element with open book / SP16.
19. Preparation of bills.
20. Other relevant topics.



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## List of Shortlisted candidates for the post of Junior Engineer (Civil)

Sl. No.	Registration No.	Full Name
1	IIMKPV-Non-Teaching 2021-20013	Raman Kumar
2	IIMKPV-Non-Teaching 2021-20453	Sachin Shrigandhi
3	IIMKPV-Non-Teaching 2021-20145	Prashant Kumar
4	IIMKPV-Non-Teaching 2021-20067	Sudhendra Yadav
5	IIMKPV-Non-Teaching 2021-20058	Dilshad Ahmed
6	IIMKPV-Non-Teaching 2021-20160	Virendra Tiwaria
7	IIMKPV-Non-Teaching 2021-20061	Shailender Singh
8	IIMKPV-Non-Teaching 2021-20306	Anmol Anand
9	IIMKPV-Non-Teaching 2021-20106	Sourabh Raghuwanshi
10	IIMKPV-Non-Teaching 2021-20612	Bhupendra Singh Bisht
11	IIMKPV-Non-Teaching 2021-20118	Kuldip Kumar Patel
12	IIMKPV-Non-Teaching 2021-20117	Madhu Sudan
13	IIMKPV-Non-Teaching 2021-20124	Vinay Kumar
14	IIMKPV-Non-Teaching 2021-20171	Ajay Gautam
15	IIMKPV-Non-Teaching 2021-20201	Mohammad Salahuddin Qureshi
16	IIMKPV-Non-Teaching 2021-20174	Mohd Shahid Siddiqui
17	IIMKPV-Non-Teaching 2021-20352	Faraz Haider
18	IIMKPV-Non-Teaching 2021-20515	Amit Prakash Bhadula
19	IIMKPV-Non-Teaching 2021-20283	Vinay Kumar Arya
20	IIMKPV-Non-Teaching 2021-20203	Sanjay Verma
21	IIMKPV-Non-Teaching 2021-20225	Nitin Mishra
22	IIMKPV-Non-Teaching 2021-20226	Shiendra Kumar Shanti
23	IIMKPV-Non-Teaching 2021-20233	Udit Kumar Sarkar
24	IIMKPV-Non-Teaching 2021-20262	Amit Kumar
25	IIMKPV-Non-Teaching 2021-20333	Sahil Bisht
26	IIMKPV-Non-Teaching 2021-20362	Rakesh Kuldeep
27	IIMKPV-Non-Teaching 2021-20486	Manish Chhimwal
28	IIMKPV-Non-Teaching 2021-20276	Durgesh Singh
29	IIMKPV-Non-Teaching 2021-20289	Manish Kumar
30	IIMKPV-Non-Teaching 2021-20442	Anup Singh
31	IIMKPV-Non-Teaching 2021-20325	Debasis Palui
32	IIMKPV-Non-Teaching 2021-20358	Neeraj Kumar Singh
33	IIMKPV-Non-Teaching 2021-20361	Mukesh Kumar
34	IIMKPV-Non-Teaching 2021-20403	Manoj Kumar
35	IIMKPV-Non-Teaching 2021-20395	Mohammad Mustaqeem Uddin
36	IIMKPV-Non-Teaching 2021-20401	Subodh Kumar
37	IIMKPV-Non-Teaching 2021-20404	Bhargav Kammili
38	IIMKPV-Non-Teaching 2021-20439	Ankur Saini
39	IIMKPV-Non-Teaching 2021-20413	Faijan Khan
40	IIMKPV-Non-Teaching 2021-20423	Manish Joshi
41	IIMKPV-Non-Teaching 2021-20562	Saurabh Pathak
42	IIMKPV-Non-Teaching 2021-20482	Keerti Joshi

43	IIMKPV-Non-Teaching 2021-20619	Subhash Vyas
44	IIMKPV-Non-Teaching 2021-20512	Vipin
45	IIMKPV-Non-Teaching 2021-20531	Koustubh Shanker Pandey
46	IIMKPV-Non-Teaching 2021-20632	Shailesh Ghildiyal
47	IIMKPV-Non-Teaching 2021-20577	Chandra Prakash Gusain
48	IIMKPV-Non-Teaching 2021-20588	Nikhil Gupta
49	IIMKPV-Non-Teaching 2021-20605	Mangeshkar Karade
50	IIMKPV-Non-Teaching 2021-20652	Atul Mangal
51	IIMKPV-Non-Teaching 2021-20666	Salman Hussain
52	IIMKPV-Non-Teaching 2021-20766	Mr Angad Singh
53	IIMKPV-Non-Teaching 2021-20689	Debasish Chuyan
54	IIMKPV-Non-Teaching 2021-20758	Arpit Saroha
55	IIMKPV-Non-Teaching 2021-20748	Govind Singh Bhakuni
56	IIMKPV-Non-Teaching 2021-20754	Rajesh Sahu
57	IIMKPV-Non-Teaching 2021-20762	Deepak Kumar
58	IIMKPV-Non-Teaching 2021-20794	Abhinav Pratap Chauhan
59	IIMKPV-Non-Teaching 2021-20798	Meha Chaudhary
60	IIMKPV-Non-Teaching 2021-20586	Eishan Arora
61	IIMKPV-Non-Teaching 2021-20001	Mukesh Kumar Bhatt
62	IIMKPV-Non-Teaching 2021-20281	Manish Paresh Gandhi