

Pattern / Syllabus of Examination

Duration of Written Test will be 2 hours and Questions will be bilingual (English and Hindi).

The Written Test of specified posts will consist of 100 objective types multiple choice questions having two sections:

- General Awareness - 10 questions – 10 marks
- Concerned Discipline / Technical Aptitude- 90 question – 90 marks

There will be No negative marking for wrong answers. No mark will be awarded or deducted for not attempting a question.

S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Jr. Engineer (Civil)	<ul style="list-style-type: none"> • Building Materials. • Estimating, Costing , and Valuation. • Surveying. • Soil Mechanics. • Hydraulics. • Water Resource Engineering • Transportation Engineering. • Environmental Engineering. • The Strength of Materials. Structural Engineering: <ul style="list-style-type: none"> • Theory of Structures. • Concrete Technology. • Reinforced Cement Concrete • Structure Steel • Brick Test • Compaction Test
2	Project Manager (Civil)	<ul style="list-style-type: none"> • Fluid Mechanics • Pre-Stressed Concrete • Construction & Project Management. • National Building Codes. • Basic knowledge of MEP. • Road & Bridges • Waste and Water Treatment • Construction Safety • General (Civil Engg.) as mentioned in point No 1 + Work related Experience
3	Dy. Project Manager (Civil)	<ul style="list-style-type: none"> • Fluid Mechanics • Pre-Stressed Concrete • Construction & Project Management. • National Building Codes. • Basic knowledge of MEP. • Road & Bridges • Waste and Water Treatment • Construction Safety • General (Civil Engg.) as mentioned in point No 1 + Work related Experience
4	Sr. Project Executive (Civil)	<ul style="list-style-type: none"> • Fluid Mechanics • Pre-Stressed Concrete • Construction & Project Management. • National Building Codes. • Basic knowledge of MEP. • Road & Bridges • Waste and Water Treatment • Construction Safety • General (Civil Engg.) as mentioned in point No 1 + Work related Experience

Note * - SYLLABUS MENTIONED ABOVE IS ONLY INDICATIVE AND NOT EXHAUSTIVE.

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S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Jr. Engineer (Electrical)	<ul style="list-style-type: none">• Basic concepts.• Circuit law.• Magnetic Circuit.• AC Fundamentals.• Measurement and Measuring Instruments.• Electrical Machines.• Fractional Kilowatt Motors and single phase induction Motors.• Synchronous Machines.• Generation.• Transmission and Distribution.• Estimation and Costing.• Utilization and Electrical Energy.• Basic Electronics
2	Sr. Project Executive (Electrical)	General (Electrical Engg) as mentioned in point No 1 + Work related Experience

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S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Management Trainee (Finance)	<ul style="list-style-type: none">• Financial Accounting• Auditing• Cost and Management Accounting• Financial Management• Business and Corporate Law• Indirect Tax• Direct tax
2	Manager (Finance)	General (Finance) as mentioned in point No 1 + Work related Experience
3	Dy. Manager (Finance)	General (Finance) as mentioned in point No 1 + Work related Experience
4	Assistant Manager (Finance)	General (Finance) as mentioned in point No 1 + Work related Experience

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S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Assistant Manager (HRM)	<ul style="list-style-type: none">• Labour laws and service regulations,• Disciplinary matters,• Application of HRM concepts, tools and practices, such as manpower planning, Performance management, career planning, succession planning, competency modeling, competency appraisal etc.• Industrial relations having multiple trade unions scenario.• Latest HR Practices and Policies, retention and attrition aspects.• Training Tools, Training Methods.• People Capability Maturity Model (PCMM)• Human Resource Information System (HRIS)• Attrition & Retention Policy• Welfare Measures

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S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Jr. Engineer (IT)	<ul style="list-style-type: none">• MS Office• Computer fundamentals & organization: C , C++ & Java language• Information systems: DBMS• System programming• Operating systems UNIX; SAD; Data & Network communication• Web technology & programming; Software Engineering• Computer Networks• Databases, Algorithms
2	Sr. Project Executive (IT)	General (IT) as mentioned in point No 1 + Work related Experience

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S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Jr. Engineer (Mechanical)	<ul style="list-style-type: none">• Engineering Mechanics• Strength Of Materials• Theory Of Machines• Design For Static And Dynamic Loading• Fluid Mechanics• Heat Transfer• Thermodynamics• Power Engineering• Steam Tables• Rankine• Brayton Cycles With Regeneration And Reheat• I.C. Engines: Air-Standard Otto• Diesel Cycles• Metal Casting• Machining And Machine Tool Operations• Metrology And Inspection

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S. No.	Post	Syllabus (INDICATIVE) [For 90 questions of concerned Disc.]
1	Assistant Manager (Company secretary)	<ul style="list-style-type: none">• Advanced Company Law and Practice• Secretarial Audit, Compliance Management and Due Diligence• Corporate Restructuring, Valuation and Insolvency 4. Tax Laws and Practice MODULE• Capital Markets and Securities Laws• Financial, Treasury and Forex Management• Ethics, Governance and Sustainability• Advanced Tax Laws and Practice• Drafting, Appearances and Pleadings• Banking Law and Practice, Capital, Commodity and Money Market, Insurance Law and Practice, Intellectual Property Rights - Law and Practice, International Business-Laws and Practices• SEBI Act,1992 and regulations made thereunder• FEMA, Competition Act, RTI , General Commercial Laws.

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1	Sr. Executive (Arch. & Planning)	<ul style="list-style-type: none">• Architecture and Design• Building Materials, Construction and Management• Building and Structures• Environmental Planning and Design• Urban Design• Urban Planning and Housing• Planning Techniques and Management• Services, Infrastructure and Transportation
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The Pattern and syllabus of examination for the remaining posts shall be uploaded shortly. Candidates are requested to visit the website regularly for all the latest updates regarding examination.