

Paper Pattern - CDA		
Sr. No.	Post(s) / Paper	Focused Areas
1	Director / Deputy Director (Civil), BPS-19 / 18	Highway & Transportation Engineering
		Structural Engineering / Maintenance
		Project Planning, Execution & Management
		Contract Management
		Construction Engineering / Materials Engineering
		Water Resources Engineering & Management
		Geotechnical Engineering
		Emerging Technologies & Sustainability in Civil Engg Projects
		Urban Engineering
		Building Engineering
		PPRA Rules
		English/ communication skills
		General Knowledge
2	Assistant Director (Civil), BPS-17	Highway & Transportation Engineering
		Structural Engineering / Maintenance
		Project Planning and Management
		Contract Management and Procurement
		Construction Engineering / Site Supervision
		Water Supply, Drainage & Sewerage Systems
		Geotechnical Engineering & Soil Mechanics
		Surveying and levelling
		Building Engineering
		Urban Engineering
		Sustainability and Emerging Trends in Civil Engineering
		English/ communication skills
		General Knowledge
3		Master Planning

	Town Planner, BPS-17	Urban Environment and Sustainability
		Housing and Real Estate Management
		Disaster Management and Climate Change
		Geographic Information Systems and AutoCAD
		Community Development and Urban Renewal
		Project Management
		English/ Communications skills
		General Knowledge
4	Building Inspector (G-I), BPS-13	Building Documentation / Understanding drawings
		Surveying & Leveling
		Construction Techniques & Quality Control
		Plumbing, Electrical and Mechanical Systems
		Soil & Foundation Inspections
		Construction Materials & Testing
		Energy Efficiency & Sustainability
		Autocad and other software related topics
		Safety, Fire Protection & Hazard Assessment
		English/ communication skills
		General Knowledge
5	Sub-Engineer (Civil), BPS-14	Surveying & Leveling
		Construction Materials & Testing
		Structural Mechanics & Construction Techniques / Structural Engineering
		Highway & Road Construction
		Water Supply & Sanitary Engineering
		Estimation, Costing & Contracts
		Health & Safety at Construction Sites
		AutoCAD & Drafting
		English/ Communication skills
		General Knowledge
6	Director / Deputy Director (E & M), BPS-19 / 18	Governance and Agreements
		Project Managemnet and contract management
		Strategic Thinking & Leadership

		Power Systems & Machines
		Electronics/Signals & Systems/ Control Systems
		Communication Systems and Networking
		Basic Electrical Analysis
		Basic Electronics
		Applications of AI/ML in Electrical Engineering
		Thermodynamics/Mechanics of Materials
		Transmission and Distribution
		Electrical Machines & Drives/ Automation
		Renewable energy
		Electronics & Telecommunications
		Robotics & AI in mechanical Systems
		PPRA Rules
		English/ communication skills
		General Knowledge
7	Assistant Director (E & M), BPS-17	Power Systems & Machines
		Applications of AI/ML in Electrical Engineering
		Basic Electronics/Analog & Digital Electronics
		Signals & Systems / Control Systems
		Communication Systems
		Networking & Microwave
		Basic Electrical/Network Analysis
		Thermodynamics/Mechanics of Materials/Strength of Materials
		Robotics & AI in mechanical Systems
		Electric Vehicles
		English/ communication skills
		General Knowledge
8	Deputy Director (Environment) BPS-18	Environmental Policies & Laws
		Environmental Pollution and Mitigation
		Solid Waste Management
		Water & Wastewater Management
		Range Management

		Ornamentals & Nursery Management
		Landscape Horticulture
		Project Management
		PPRA Rules
		English/ communication skills
		General Knowledge
9	Assistant Director (Environment) BPS-17	Environmental Policies & Laws
		Environmental Pollution and Mitigation
		Solid Waste Management
		Water & Wastewater Management
		Range Management
		Ornamentals & Nursery Management
		Landscape Horticulture
		Soil & Environment
		English/ communication skills
		General Knowledge
10	Range Officer, BPS-16	Range Management
		Wildlife Management
		Ecotourism and Park Management
		Biodiversity and Climate Change
		Land Use Management
		Landscape Horticulture
		Environmental Policies & Laws
		English/ communication skills
		General Knowledge