

SYLLABUS FOR VSP MT(Tech) WRITTEN TEST – 2013

(Indicative but not exhaustive)

APTITUDE

1 Logical Reasoning	Deductive Logic
	Inductive Logic
	Conceptualization
	Puzzles
	Venn Diagram
2 Numerical	Percentages & Averages
	Profit, Loss & Discount
	Ratio and Proportion
	Stocks and Shares
	Simple Interest & Compound Interest
	Time, work and distance
	Permutations & Combinations
3 Verbal	Articles
	Prepositions
	Reading Comprehension
	Synonyms
4 General awareness	GK
	Current Affairs
	History

DISCIPLINE

1 Chemical	Chemical Reaction Engineering
	Chemical Engineering Thermo Dynamics
	Heat Transfer
	Mass Transfer
	Momentum Transfer and Mechanical
	Operations
	Polymer Synthesis
	Polymer Technology
	Polymer Testing

DISCIPLINE – CONTD.

2 Civil Engineering	Air Pollution
	Concrete Structure
	Foundation Engineering
	Hydrology
	Irrigation
	Mechanics
	Municipal Solid Waste
	Noise Pollution
	Soil Mechanics
	Steel Structure
	Structural Analysis
	Surveying
	Water Requirements
	Fluid Mechanics and Hydraulics
3 Electrical	Analog and Digital Electronics
	Control Systems
	Electric Circuits and Fields
	Electrical and Electronic Measurements
	Electrical Machines
	Power Electronics and Drives
	Power Systems
	Signals and Systems
4 Instrumentation	Analog Electronics
	Analytical, optical and Biomedical
	Instrumentation
	Basic of circuits and Measurement System
	Communications
	Control Systems and Process Control
	Digital Electronics
	Electrical and Electronic Measurements
	Signal and Systems
	Transducers, Mechanical Measurement and Industrial inst

5 Mechanical	Computer Integrated Manufacturing
	Design
	Engineering Materials
	Engineering Mechanics
	Fluid Machines
	Fluid Mechanics
	Inventory Control
	Machine Design
	Machining and Machine Tool Operations
	Management Information System
	Metrology and Inspection
	Product design and Development
	Production planning and Control
	Strength of Materials
	Theory of Machines
	Thermodynamics
	Vibrations
	Energy conservation
Heat Transfer	
Operations Research	
Industry Safety	

6 Metallurgy	Extractive Metallurgy
	Foundry technology
	General metallurgy
	Material science
	Mechanical metallurgy
	Physical metallurgy
	Welding and Corrosion

7. Electronics	Electronics Analog electronics
	Computers and Microprocessors
	Control Systems
	Digital Electronics
	Electrical and Electronic Measurements
	Industrial Electronics
	Network Theory
	Semiconductor Devices

DISCIPLINE – contd..

8. Industrial Engineering	Just in Time approach, Operation Research
	Supply chain Management
	Total Productive Maintenance(TPM)
	Total Quality Management(TQM)
	Six sigma
	Process control, Quality Engineering
	Enterprise Resource Planning(ERP)
	Manpower requirement and assessment
	Motivational Schemes
	Value Engineering

SYLLABUS FOR VSP MT(HR & Welfare) WRITTEN TEST - 2013

(Indicative but not exhaustive)

APTITUDE	
1 Logical Reasoning	Deductive Logic
	Inductive Logic
	Conceptualization
	Puzzles
	Venn Diagram
2 Numerical	Percentages & Averages
	Profit, Loss & Discount
	Ratio and Proportion
	Stocks and Shares
	Simple Interest & Compound Interest
	Time , work and distance
	Permutations & Combinations
3 Verbal	Articles
	Prepositions
	Reading Comprehension
	Synonyms
4 General awareness	GK
	Current Affairs
	History

DISCIPLINE	
HR & Welfare	Labour Laws
	Industrial Relations including Trade Unions
	Human Resource Planning & Recruitment
	Performance Management
	Collective Bargaining and Negotiation Process
	Grievance Management
	Human Resource Development including Training

SYLLABUS FOR VSP MT(F&A) WRITTEN TEST - 2013

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APTITUDE

1 Logical Reasoning	Deductive Logic
	Inductive Logic
	Conceptualization
	Puzzles
	Venn Diagram
2 Numerical	Percentages & Averages
	Profit, Loss & Discount
	Ratio and Proportion
	Stocks and Shares
	Simple Interest & Compound Interest
	Time , work and distance
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DISCIPLINE

Finance & Accounts	Income Tax provisions-Income taxation
	Company Laws
	Budgeting
	Foreign Trade policy
	Functioning of Financial Institution viz. RBI, SEBI etc.
	Accounting , Accounting Standards
	Auditing & Auditing reports

SYLLABUS FOR VSP MT(Corporate Communications) WRITTEN TEST - 2013

(Indicative but not exhaustive)

APTITUDE	
1 Logical Reasoning	Deductive Logic
	Inductive Logic
	Conceptualization
	Puzzles
	Venn Diagram
2 Numerical	Percentages & Averages
	Profit, Loss & Discount
	Ratio and Proportion
	Stocks and Shares
	Simple Interest & Compound Interest
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	Prepositions
	Reading Comprehension
	Synonyms
4 General awareness	GK
	Current Affairs
	History

DISCIPLINE	
Corporate Communications	Communication policies, process, theories and models.
	Print & Electronic Media
	Newspaper reporting and writing
	Principles of editing, design and layout; and its current trends
	Basic communication research
	Media Laws, Press Council and Codes of Ethics.
	Organization and functions of public relation departments in private and public sector organisations
	Characteristics of the PR man
	Tools of public relations
	PR planning & press relations