

## Paper Distribution

### Fatima Fertilizer Company Limited (Apprenticeship 2018)

Trade	Post Relevant		English	Quantitative	Analytical Reasoning	IQ
Chemical Plant Operator	Basic Chemical Engineering	10%	10%	10%	10%	10%
	Industrial Chemical Process	10%				
	Safety Practice & Procedures	5%				
	Physical Chemistry	5%				
	Organic Chemistry	5%				
	Process Instrumentation & Control	5%				
	Energy Conservation	4%				
	Chemical Technology Practice	6%				
	Instrumental Methods of Analysis	4%				
	Business Management & Industrial Economics	6%				
Maintenance Technician	Basic Engineering Drawing & CAD	5%	10%	10%	10%	10%
	Metallurgy	8%				
	Metrology	6%				
	Hydraulics and Hydraulic Machines	6%				
	Industrial Engineering	5%				
	Machine Design	5%				
	Tool Design and Making	8%				
	Materials testing & Heat treatment	7%				
	Computer Integrated Manufacturing (CIM)	5%				
	Engineering Drawing	5%				
Electrical Technician	Principle of Electrical Engineering	10%	10%	10%	10%	10%
	DC Machines & Batteries	8%				
	Electrical Instruments & Measurement	8%				
	Application of comp. in Elec. Tech	6%				
	Power Plant & Energy Conservation	5%				
	Telecommunication	6%				
	Digital & Industrial electronics	5%				
	Repair & Maintenance of electrical equipment	5%				
	AC Machines	2%				
	Basic Electrical Drawing	5%				
Instrument Technician	Electrical Essential And Networks	8%	10%	10%	10%	10%
	General Engineering	8%				
	Electronics Devices & Circuits	8%				
	Motor & Generator	4%				

	Pulse & Digital circuits Communication Systems TV circuits & systems Antenna & Tr. Line Microwave & Radar Microprocessor & Microcomputer	5% 5% 6% 6% 5% 5%				
Laboratory Analyst	<b>Physical Chemistry</b> (Fundamental Concepts, States of Matter, Atomic Structure, Chemical Bonding, Chemical Energetics, Electrochemistry, Chemical Equilibrium, Reaction Kinetics) <b>Inorganic Chemistry</b> (Periods, Groups, Transition elements, Compounds of Nitrogen and Sulphur) <b>Organic Chemistry</b> (Hydrocarbon, Alkyl Halides, Alcohols and Phenols, Aldehydes and Ketones, Carboxylic Acid, Amino Acids, Macromolecules, Environmental Chemistry)	20%  20%  20%	10%	10%	10%	10%
Mechanical Draftsman	Basic Engineering Drawing & CAD Metallurgy Metrology Hydraulics and Hydraulic Machines Industrial Engineering Machine Design Tool Design and Making Materials testing & Heat treatment Computer Integrated Manufacturing (CIM) Engineering Drawing	15% 4% 4% 8% 5% 4% 5% 3% 6% 6%	10%	10%	10%	10%
Civil Works Technician	Surveying Construction Civil Drafting Mechanics of Structure Public Health Engineering Quantity Surveying Hydraulics & irrigation Soil Mechanics Concrete Tech. & RCC Design Railways, Docks, Harbors & Bridges	8% 8% 8% 4% 4% 8% 5% 5% 5% 5%	10%	10%	10%	10%