

**Content Weightages for OGDCL  
Internship Program**

Sr. No	Core Areas Division	% Weight
1-	Verbal Reasoning	10%
2-	Analytical Reasoning	20%
3-	General Knowledge	10%
4-	Subject related	60%
	<b>Total</b>	<b>100%</b>

Sr. No	Discipline	Criteria and Subject Division	Subject % Weight
01	<b>Engineering Degree:</b>  <b>Petroleum</b>  <b>Chemical</b>  <b>Electrical &amp; Electronics</b>  <b>Mechanical &amp; Mechatronics</b>  <b>Civil</b>	<b>Engineering degree in: Petroleum, Chemical Electrical, Electronics, Mechanical, Mechatronics, Civil</b>	
		<b>Engineering degree in: Petroleum</b>	<b>60%</b>
		Petroleum Engineering	10%
		Fluid Mechanics	10%
		Reservoir Engineering	10%
		Drilling Engineering	10%
		Principles of Enhanced Oil Recovery	10%
		Well Logging & Testing	10%
		<b>Engineering degree in: Chemical</b>	<b>60%</b>
		Chemical Process Principles	10%
		Chemical Engineering Thermodynamics	10%
		Heat Transfer	10%
		Mass Transfer	10%
		Chemical Reaction engineering	05%
		Chemical Process Design and Simulation	10%
		Fluid Mechanics	05%
		<b>Engineering degree in: Electrical and Electronics</b>	<b>60%</b>
		Electrical Circuits & Network Analysis	05%
		Electrical Machines	05%
		Signals & Systems	05%
		Electromagnetic Fields	05%
		Electronic Devices & Circuits	05%
		Integrated Circuits	05%
		Power Electronics	05%
		Digital Logic Design	05%
		Microprocessor Programming & Interfacing	05%
		Digital Communication Systems	05%
Digital Signal Processing	05%		
Linear Control Systems	05%		
<b>Engineering degree in: Mechanical and Mechatronics</b>	<b>60%</b>		
Engineering drawing and graphics	06%		

		Thermodynamics	06%
		Manufacturing Processes	06%
		Industrial Automation	06%
		Machine Tools & Machining	06%
		Machine design & vibration	06%
		Engineering Statics	06%
		Power Plants	06%
		Fluid Mechanics	06%
		Engineering Material	06%
		<b>Engineering degree in: Civil</b>	<b>60%</b>
		Engineering Drawing	06%
		Engineering Mechanics	06%
		Engineering Surveying	06%
		Building construction & design	06%
		Fluid Mechanics	06%
		Structural Analysis	06%
		Civil Work Quantity and Cost Estimations	06%
		Concrete Technology	06%
		Steel Structure & Reinforced Concrete Design	06%
		Soil Mechanics and Foundation Engineering	06%
		<b>M.Sc / BS / BE in: Environmental Sciences, Computer / Software / Telecom, Geological Engineering, Geology / Geophysics</b>	
		<b>M.Sc. / BS / BE in: Environmental Sciences</b>	<b>60%</b>
		Ecology and Applied Ecology	10%
		Environmental Pollution & Toxicology	10%
		Environmental Microbiology and Biotechnology	10%
		Natural Resource Management, Biodiversity and Conservation	10%
		Environmental Monitoring and Analytical Techniques	10%
		Climatology and Climate Changes	10%
		<b>M.Sc / BS / BE in: Computer / Software/ Telecom</b>	<b>60%</b>
		Computer Architecture and Organization	09%
		Operating Systems	09%
		Software Engineering & Development	09%
		Microprocessor Systems and Interfacing	09%
		Analog Communication Systems	08%
		Digital Communications	08%
		Data Communication & Computer Network	08%
		<b>M.Sc / BS / BE in: Geological Engineering / Geology</b>	<b>60%</b>
		Structural Geology / Tectonics	06%
		Mineralogy	06%
		Geological Mapping and Correlations	06%
		Palaeontology / Biostratigraphy	06%
		Stratigraphy of Pakistan	06%
02	<b>M.Sc/BS/BE:</b>		
	<b>Environmental Sciences</b>		
	<b>Computer/Software Telecom</b>		
	<b>Geological Engineering/ Geology</b>		
	<b>Geophysics</b>		

		Sedimentology	06%
		Exploration Methods (Gravity, Magnetic, Resistivity, Seismic etc.)	06%
		Basic Principles of Sequence Stratigraphy	06%
		Petrophysical Logs (Principles)	06%
		Petrophysical Logs (Interpretation)	06%
		<b>M.Sc / BS / BE in: Geophysics</b>	<b>60%</b>
		Applied Geophysics	10%
		Engineering Geology	10%
		Structure, Tectonics and Neotectonic	10%
		Gravity, Figure of Earth	10%
		Solar System	10%
		Earth's Magnetism	10%
		<b>03</b>	<b>MBA/BBA (Hon): HR Marketing/SCM</b>
Basic Computer Knowledge (MS-Excel, MS Word, Power Point)	15%		
Human Recourse Management	15%		
Fundamentals of Management	15%		
Organizational Behavior	15%		
<b>MBA/BBA (Hon) in Marketing</b>	<b>60%</b>		
Basic Computer Knowledge (MS-Excel, MS Word, Power Point)	10%		
Fundamentals of Management	05%		
Marketing Management	15%		
Sales Management	15%		
Supply Chain Management	15%		
<b>MBA/BBA (Hon) SCM</b>	<b>60%</b>		
Basic Computer Knowledge (MS-Excel, MS Word, Power Point)	10%		
Supply Chain Management	20%		
Fundamentals of Management	10%		
Business Communication and Report Writing	20%		
<b>04 s</b>	<b>CMA/ACCA/M.Co m /MBA (Finance)/BBA Hon. (Finance)</b>	<b>ICMA / ACCA / M.Com / MBA or BBA (Hon) in (Finance)</b>	<b>60%</b>
		Basic Computer Knowledge (MS-Word, Excel, PowerPoint)	10%
		Financial Management	10%
		Financial Accounting	10%
		Cost Accounting	10%
		Commerce	10%
		Business Mathematics	10%