

**Approved Content Weightages for Faculty Positions**  
**University of Mianwali**

Sr. No.	Department	Domains	Content Percentage
<b>01-</b>	<b>MATHEMATICS Assistant Professor (Bs-19)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Foundation of Mathematics	03
		Elementary Mathematics	05
		Calculus	09
		Algebra	05
		Complex Analysis	04
		Differential Equation	07
		Analytic Geometry	03
		Vectors	05
		Number Theory	03
		Real Analysis	04
		Functional Analysis	04
		Computational Mathematics	05
		Mechanics	04
	Mathematical Statistics & Probability	04	

02-	Physics Assistant Professor (BS-19)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Classical Mechanics	06
		Quantum Mechanics	05
		Waves & Oscillation	05
		Thermodynamics & Statistical Mechanics	04
		Electromagnetic Theory	10
		Electronics	06
		Mathematical Methods of Physics	04
		Nuclear & Astrophysics	05
		Computational Physics	03
		Solid State Physics	05
		Digital Electronics	03
		Atomic & Molecular Physics	03
		Medical Physics	03
Semiconductor Physics	03		
03-	ZOOLOGY Assistant Professor (BS-19)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Invertebrates	07
		Chordates	07
		Cell Biology	07
		Molecular Biology	06
		Development Biology	06
		Animal Physiology	06
		Biochemistry	06
		Genetics	07
		Ecology	06
		Evolution & Paleontology	03
		Taxonomy & Zoogeography & Wildlife	04

04-	<b>CHEMISTRY Assistant Professor (BS-19)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Inorganic/ Analytical Chemistry	20
		Applied /Environmental Chemistry	10
		Organic / Biochemistry	20
		Physical Chemistry	15
05-	<b>Biotechnology Assistant Professor (BS-19)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Agriculture Biotechnology	05
		Health Biotechnology	05
		Industrial Biotechnology	05
		Environmental Biotechnology	05
		Food Biotechnology	05
		Cell and Molecular Biology	05
		Techniques in Biotechnology	05
		MicroBiology	05
		Genomics and Proteomics	05
		Biochemistry	05
		Genetics	05
		Bioinformatics	05
Skills in Biotechnology	05		
		<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10

06-	<b>MATHEMATICS Lecturer (BS-18)</b>	Foundation of Mathematics	03
		Elementary Mathematics	05
		Calculus	09
		Algebra	05
		Complex Analysis	04
		Differential Equation	07
		Analytic Geometry	03
		Vectors	05
		Number Theory	03
		Real Analysis	04
		Functional Analysis	04
		Computational Mathematics	05
		Mechanics	04
		Mathematical Statistics & Probability	04
07-	<b>Education Lecturer (BS-18)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		History of Education in Pakistan	07
		Philosophy of Education	10
		Educational Policy, Planning and Management	06
		Teaching Methods & Instructional Technology	10
		Curriculum Development	06
		Measurement Testing and Evaluation	10
		Conducting Research in Education	10
		Learner's Psychology	06
Verbal Reasoning	15		
Analytical Reasoning	10		

08-	BOTANY Lecturer (BS-18)	Research Methods	10
		Algae & Fungi	06
		Bryophytes & Pteridophytes	05
		Gymnosperms	04
		Angiosperms	05
		Taxonomy	05
		Anatomy & Morphology	07
		Physiology	07
		Ecology	07
		Cytology & Genetics	09
		Plants & Environment	05
		Plant Conservation	05
09-	Urdu Lecturer (BS-18)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		تحقیق، تدوین، (تعریفات)، محقق کے اوصاف تحقیق اور تدوین کے اصول، کتابیات کی ترتیب قیاس مفروضہ، حوالہ جات، حواشی، تعلیقات	10
		تاریخی لسانیات، تاریخ اور شاخیں، اصلاح زبان کی تحریکیں، لسانی تغیرات، لغت، لغت نویسی، اشتقاقی	07
		نئی تنقید، ساختیات، پس ساختیات، جدیدیت مابعد جدیدیت (پوسٹ کالو نیلزم، فیمنزم رد تشکیل، نئی تاریخیت)	10
		بیان اور بدیع کی مختلف اقسام، بحروں کا مطالعہ دائرہ مختلفہ	6
ادبی تاریخ کیا ہے؟ اور ادبی تاریخ کے مختلف ادوار، دکنی دور سے تا حال	10		

		اردو افسانہ اور ناول	10
		جدید شاعری، مختلف جدید شعری اصناف، جدید اردو نظم کا مطالعہ حالی تا ۱۹۳۶ء خصوصی مطالعہ، فیض راشد، مجید امجد، میراجی، جوش، ناصر کاظمی، ظفر اقبال، احمد فراز، پروین شاکر، کشور ناہید، عزیز حامد مدنی	06
		میر تقی میر، غالب اور اقبال کا خصوصی مطالعہ (سوانح اور فکری مباحث)	06
10-	Physics Lecturer (BS-18)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Classical Mechanics	06
		Quantum Mechanics	05
		Waves & Oscillation	05
		Thermodynamics & Statistical Mechanics	04
		Electromagnetic Theory	10
		Electronics	06
		Mathematical Methods of Physics	04
		Nuclear & Astrophysics	05
		Computational Physics	03
		Solid State Physics	05
		Digital Electronics	03
		Atomic & Molecular Physics	03
		Medical Physics	03
		Semiconductor Physics	03
		11-	BUSINESS ADMINISTRATION Lecturer (BS-18)
Verbal Reasoning	15		
Analytical Reasoning	10		
Research Methods	10		
Human Resource Management	15		
Finance	15		
Marketing	15		
Accounting	10		

		Business IT	10
12-	Economic Lecturer (BS-18)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Micro-Economics	10
		Marco-Economics	10
		Econometrics	06
		International Trade Theory and Finance	06
		Development Economics Theory and Policy	06
		Quantitative Economics	03
		Monitory Theory and Policy	03
		Fiscal Policy/Public Finance	04
		Major Issues in Economics	04
		Agricultural/Resource Economics	03
		Project Planning Monitoring and Evaluation	04
		Environmental Economics	03
		Public Policy & Governance	03
13-	CS & IT Lecturer (BS-18)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Programing Fundamentals	04
		Object Oriented Paradigm	03
		Discrete Structures	03
		Data Structures and Algorithms	06
		Digital Logic and Computer Organization	04
		Operating Systems	04
		Database Systems	04
		Software Engineering & Development	03
		Computer Communication and Networks	04
		Computer Architecture & Assembly Language	05

		Theory of Automata and Formal Languages	06
		Analysis of Algorithms	06
		Artificial Intelligence	05
		System Programming	04
		Numerical Computing	04
14-	<b>ZOOLOGY Lecturer (BS-18)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Invertebrates	07
		Chordates	07
		Cell Biology	07
		Molecular Biology	06
		Development Biology	06
		Animal Physiology	06
		Biochemistry	06
		Genetics	07
		Ecology	06
		Evolution & Paleontology	03
Taxonomy & Zoogeography & Wildlife	04		
15-	<b>CHEMISTRY Lecturer (BS-18)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Inorganic/ Analytical Chemistry	20
		Applied /Environmental Chemistry	10
		Organic / Biochemistry	20
		Physical Chemistry	15
16-	<b>ENGLISH Lecturer (BS-18)</b>	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Linguistics	35



		Literature	30
17-	Biotechnology Lecture (BS-18)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Agriculture Biotechnology	05
		Health Biotechnology	05
		Industrial Biotechnology	05
		Environmental Biotechnology	05
		Food Biotechnology	05
		Cell and Molecular Biology	05
		Techniques in Biotechnology	05
		Microbiology	05
		Genomics and Proteomics	05
		Biochemistry	05
		Genetics	05
		Bioinformatics	05
Skills in Biotechnology	05		
18-	Pharmacy Lecturer (BS-18)	<b>As Per Advertisement</b>	<b>100 MCQs</b>
		Verbal Reasoning	15
		Analytical Reasoning	10
		Research Methods	10
		Pharmaceutics	15
		Pharmaceutical Chemistry	15
		Pharmacology and Therapeutics	15
		Pharmacognosy	10
		Pharmacy Practice	10