

Name of the Project: Recruitment Test for the Post of Junior Science Teacher (BPS-14)
School Education & Literacy Department: Government of Sindh

Test Paper Level: Graduation
Test Specifications

S No.	Topics
1	English (MCQs 10%)
	<ul style="list-style-type: none"> • Vocabulary, Parts of Speech, Punctuation • Reading Comprehension • Tenses, Active/Passive Voice, Direct and Indirect Speech
2	General Knowledge (MCQs 10%)
	<ul style="list-style-type: none"> • Social Studies, Pakistan Studies
3	Teaching and Learning Pedagogies (MCQs 20%)
	<ul style="list-style-type: none"> • Learning Styles (VARK) • Cognitive/Physical/Social differences • Lesson Planning (Focus on SLOs) • Teaching Skills • Teaching Methodolgy (Lectures, discussion, demonstartion, team teaching, case studies, brainstorming, storytelling) • Use of ICT (Integration in classroom settings) • Assessment/Evaluation • Concept of Reflective Practices/Feedback • Classroom Management • STEAM/STREAM Pedagogy (Project Based Learning)



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S No.	Topics
4	Biology (MCQs 12%)
	<ul style="list-style-type: none"> • Cell Structure • Cell Division • Respiration • Evolution • Ecosystem • Types of Living Organisms • Enzymes • Tissues, Organs, and Systems
5	Chemistry (MCQs 12%)
	<ul style="list-style-type: none"> Structure (Atom) Bonding Elements, Compunds & Mixtures Periodic Table States of Matter Thermochemistry Enviromental Chemistry Mole & Molarity Claculations Acid & Bases Equilibirum Chemical Reactions Industrial Chemistry Electronchemistry Kinetics Solutions & Suspensions





SIBA Testing Services

Merit-Transparency-Technology

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S No.	Topics
	Physics (MCQs 12%)
6	Mechanics (Vectors, Kinematics, Dynamics, Forces, Torque, Momentum, Impulse, Laws of Motion, Gravitation, Potential Energy, Kinetic Energy) Thermal Physics (Temperature & its Scales, Boyle's Law, Charles Law, Avogadro's Law, Thermodynamics) Waves (General Wave, Standing Wave, Sound Wave, and its Properties) Electromagnetism (Electrostatics - Columb's Law, Electric Potential, Capicitors & Combinations, Current, Electricity, Magnetism, DC Circuits - Series & Parallel Connection) Atomic Physics, Atomic Models, Bohr Model, Light, Law of Reflection, Law of Refraction, Lens equation, Defects in Vision, Compound Microscope, Telescope) Nuclear Physics, Natural Radioactivity, Half Life, Radiation Hazards, Fissio Reaction Electronics, Binary Number System, Logic Gates





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S No.	Topics
7	Mathematics (MCQs 12%)
	Numbers and Operations Multiple & Factors Prime & Composite Ratio Rate Percentage Simple & Compound Financial Arithmetic and Consumer Math
	Algebra Expressions Equations & Inequalities Coordinate Geometry Patterns
	Measurement Surface area & volume Time Conversion of ratio Expansion of ratio/percentage
	Statistics & Probability Probability Central Tendency





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S No.	Topics
	Computer (MCQs 12%)
8	Introduction to Computers and its Types Generations of Computers Operating System Office Automation Computer Networking Introduction to Web Development Cyber-Attacks and Ethical Hacking Introduction of Database Management System
Total MCQs: 100%	

