



SYLLABUS FOR APTITUDE TEST -2024

Class-VIII

ENGLISH

Aptitude test outlines

Dictation pages: 139-158

Tenses, Present simple, continuous, perfect, Past simple, continuous, perfect, Future simple, continuous, perfect, Determiners, quantifiers, articles, Quantity expression, Modal verbs (must, should, and have to) Modals of possibility (can, could, can't, couldn't), Pronouns (indefinite, relative, reflexive) Adjectives, Abstract nouns, Prepositions (position and movement), Conjunctions of purpose Use of that, this, these, those, Infinitives, Sentence adverbs, the passive, Reported speech Noun phrases, Contrast words, Conditionals (first and second)

URDU

اہلیت کا ٹیسٹ

موضوعات: حمد، نعت، جاوید کے نام، محنت کی برکات، غزل نمبر 2، 1، اخلاق حسنہ، نام دیوبالی، آرام و سکون، کلیم اور مرزا ظاہر دار بیگ، ابتدائی حساب، کتبہ، سید سلیمان ندوی، ڈپٹی نذیر احمد، مظفر وارثی، میر تقی میر
قواعد و انشا: خط اس کے حصے اور اقسام صفحہ نمبر 71، محاورات، ضرب الامثال صفحہ نمبر 52، 53، 54، 59، 60
پیشکش۔ مجاز مرسل اور اسکے استعمال کی صورتیں، حروف اور اس کی اقسام، ترکیب نحوی، جملہ اسمیہ و فعلیہ
نوٹ: مذکورہ موضوعات سے متعلق عمومی علم کے سوالات کا جائزہ لیا جائے گا۔

PHYSICS

Aptitude test outlines

Topics: Physical quantities and measurements, Kinematics, Dynamics I, Dynamics II, Pressure and Deformation in solids

Note: General Knowledge questions related to the mentioned topics will be assessed.

MATHEMATICS

Aptitude test outlines

Topics: Operations on sets, Real numbers, square and square root, Cube and cube roots, Law of indices, Algebra polynomial, Proportion, Factorization and expansion of algebra, Congruency, and similarity, Financial arithmetic, Linear equation, Mensuration, Data handling,

Note: General Knowledge questions related to the mentioned topics will be assessed.

GEOGRAPHY

Aptitude test outlines

Topics: Plate tectonics, Folding and Faulting, Volcanism, Earthquakes, Rocks and Rock Formation, Weathering and Erosion, Rivers, Coastal features and formation, Mineral and energy resources

Presentation topics:

Plate tectonics in Pakistan, Earthquakes and causes of Earthquakes, Explain the type of river processes Explain types of sedimentary rocks, Describe Fold and Fold Mountains

Note: General Knowledge questions related to the mentioned topics will be assessed.

HISTORY

Aptitude test outlines

Topics: The colonization of the subcontinent, The struggle for power, The War of Independence, Reforms Movement, The First World War, The Role of the Ottoman Empire, the Second World War, The Struggle for Independence

Topics for presentation:

1. Explain the role of Ahmed Shah Abdali
2. Causes of War of Independence
3. Describe the causes of World War I
4. Describe the powerful alliances in World War I and II
5. Role of Mustafa Kamal Pasha's founding the state of the Turkish state.

Note: General Knowledge questions related to the mentioned topics will be assessed.

ISLAMIC STUDIES

Aptitude test outlines

موضوعات: عقیدہ توحید، قرآن مجید تعارف و حفاظت، سورہ طہ، عقیدہ رسالت، سورہ لقمان، سورہ بقرہ، حضرت امام ذین العابدین، حضرت ابو موسیٰ اشعری، سورہ فرقان، سورہ الانبیاء، حضرت عبداللہ بن عمر العاص، سورہ فاطر
نوٹ: مذکورہ موضوعات سے متعلق عمومی علم کے سوالات کا جائزہ لیا جائے گا۔

ETHICS (FOR NON-MUSLIMS)

موضوعات: شکر و قناعت، امانت و دیانت، تکبر، حسد، حقوق العباد، خود اعتمادی و خود انحصاری، جسمانی و ذہنی صحت و جسمانی ریاضت
نوٹ: مذکورہ موضوعات سے متعلق عمومی علم کے سوالات کا جائزہ لیا جائے گا۔

COMPUTER SCIENCE

Aptitude test outlines

Topics:

- Computer Systems (pg#7-54)
- Computational Thinking and Algorithms (pg#72-78)
- Programming Fundamentals (pg#88-111)

Note: General Knowledge questions related to the mentioned topics will be assessed.

CHEMISTRY

Aptitude test outlines

Topics: Nature of science in chemistry, Matter, Atomic Structure, period table, and periodicity of properties, Chemical Bonding, Stoichiometry

Note: General Knowledge questions related to the mentioned topics will be assessed.

BIOLOGY

Aptitude test outlines

Topics: Introduction to Biology, Major fields of biology, Relationship of biology with other science, career that requires a background in biology, Science is a collaborative field, Biological methods, Hypothesis, Theory, and law, Malaria an example of a biological method of study, Biodiversity, History of classification, Three domains system, taxonomic rank of classification, Species, Binomial nomenclature, Complications of classifying viruses, Cell its organelles and structure, Cell specialization, Division of Labour, Stem cells, Level of organization, Organ and organ system, Homeostasis, Plant tissues, Light dependent and independent reactions, Characteristics of enzymes, factors affecting enzyme activity, Theory of natural selection.

Note: General Knowledge questions related to the mentioned topics will be assessed.