



SYLLABUS FOR APTITUDE TEST-2024 Class-V (PRIMARY SECTION)

ENGLISH

Topics: English: Adjective, verb, Adverb, fact, opinion, simple and compound sentences, idiomatic phrase, degrees of adjective, connectives, prefixes, noun, suffixes, metaphor, information and explanation texts, WH questions, Chronological order, subjective objective and possessive pronoun, quantifier like fewer, less, much, many, a bit of .

Note: Concepts related to the above topics will be assessed.

URDU

قواعد۔ متضاد/الفاظ۔ اسم اور اس کی اقسام۔ زمانے کی اقسام۔ واحد جمع کے قاعدے۔ گنتی۔ غلط فقرات کی درستگی۔
مضمون۔ جانداروں کے تذکیر و تانیث کے قاعدے۔ درخواست۔ میرا پاکستان۔ حقیقی جانداروں کی تذکیر و تانیث۔ آئیے!
لغت دیکھنا سیکھیں۔ محاورے۔ کہانی نویسی۔ مترادف الفاظ کے قاعدے۔ فعل سے فاعل بنانا۔ فاعل سے فعل بنانا۔ داخلہ فارم۔
ہدایتی بورڈز۔ خط نویسی۔ واحد جمع کے قاعدے۔ علامت وقف۔ حروف تاسف۔ استفہامیہ جملے۔
اعراب کی تبدیلی۔ پیشے۔ ٹھکیے۔ تمنائی جملے۔ پاکستان کا قومی ترانہ۔ مترادف اور متضاد کا فرق۔ کرکٹ نامہ۔ حروف فجائیہ۔ حروف ندا۔
حروف استعجاب۔ دعوت نامہ۔ ذہنی کھیل۔ علامت فاعل "نے" اور علامت مفعول "کو" کا استعمال۔ آپ بیتی۔ میں ایک درخت ہوں۔ حروف
شرط و جزا۔ غلط فقرات کی درستگی۔ سابقہ کی تعریف۔ فعل کی فاعل اور مفعول کے ساتھ مطابقت۔ واوین۔ لاحقہ کی تعریف۔ حرف عطف۔

MATHEMATICS

1. Whole Numbers & Operations

- Numbers up to one million
- Addition and subtraction of numbers
- Multiplication and division of numbers
- Number patterns

2. Multiples & Factors

- Rules of divisibility
- Finding Highest Common Factor HCF by:
 - o Prime factorization method
 - o Division method
- Finding Lowest Common Factor LCF by:
 - o Prime factorization method
 - o Division method

3. Fractions

- Addition and subtraction of fractions
- Multiplication and division of Fraction by a whole number and by another fraction
- Multiplication and division of Fraction involving brackets
- Distributive laws

- Application of BODMAS Rule on Fractions

4. Decimals & Percentages

- Comparing and ordering of Decimal
- Addition and subtraction of Decimal
- Multiplication and division of Decimal
- Rounding off Decimal
- Estimation
- Percentage
- Conversion of percentages to fraction and Decimal
- Conversion of Fraction and Decimal to Percentages
- Using percentages

5. Distance & Time

- Distance
- o Conversion of Measure of Distance
- o Addition and subtraction of Units of Distance
- Time: Clock
- o Conversion of Measures of time: Hours, Minutes, and Seconds of Time
- o Addition and subtraction of Units of Time
- Time: Clock Conversion of Measures of time: Year, Months, Week, and Days

6. Unitary Method

- Unitary Method

7. Geometry

- Angles
- o Types Of Angles
- o Construction of Angles
- o Comparison of Angles with Right Angles
- o Adjacent, Complementary, and Supplementary Angles
- Triangles
- o Naming Triangles with Respect to Their Sides and Angles
- o Construction of Triangles when:
- o Three sides are given
- o Two Angles and included side are given
- o One angles and adjacent sides are given
- Quadrilaterals
- o Construction of Squares and Rectangles
- Symmetry
- Three dimensional figures

8. Perimeter & Area

- Perimeter of squares and Rectangles
- Area of squares and Rectangles
- Perimeter and Area of composite Shapes
- Uses of Formula to find Perimeter and Area

Note: General concepts of the mentioned topics will be assessed in aptitude test.

SCIENCE

- Plants reproduction
- The life cycle of a flowering plant

- Different methods of seed dispersal
- Different body systems
- The water cycle
- Electricity. its uses and importance.
- Conductors and insulators of electricity
- Light and shadow
- The solar system
- Forces(push and pull)

Note: General concepts of the mentioned topics will be assessed in aptitude test.

ISLAMIAT

Chapters: 1) Allah ,belief in oneness of Allah, first kalima embodies-a muslims belief in Allah and Prophet Muhammad.

2) Pillars of islam, understand the importance of all pillars kalima, Namaz, roza, zakat, hajj

3) Hazrat Muhammad his life and risalat, The life of Prophet Muhammad before the revelation Of wahi. How he felt about the Quraish and their behavior with women and slaves.

4) Preaching Islam, How our dear Prophet Muhammad undertook the task given to him by Allah. How Prophet Muhammad faced Quraish in his mission.

5) Opposition of the Quraish, How the Quraish grew desperate at the growing popularity of islam. Despite the dangers our dear Prophet Muhammad remained steadfast.

6) migration to Abyssinia, relate the prophet Muhammad order Muslims to migrate to Abyssinia tell that Nijashe the king of Abyssinia welcomed to the Muslim delegation listen to them and send back to Quraish who had come to appeal that Muslims be sent back to Mekkah

7) Boycott by the Quraish, tell how that Quresh were this might when Hazrat Umar and Hazrat Hamza accepted Islam, relate the Quraish boycott of the Muslims in an incident which is described as Shib- e- Abi Talib, tell about Aam-ul- Huzn the year of sorrow,

8) Journey to Taif, to tell the story of journey to Taif when Holy Prophet decided to preach in type after opposition of Makka grew worse, how he met opposition there and was stoned and injured how Allah sent an angel to punish the people of Taif but the prophet instead that some future generation from Taif would except Islam.

9) Pledge of Aqaba,to tell about the pledge at a Kaba by newly converted Muslims to be always loyal to Islam, and to tell the incident of Miraj un Nabi and what made migration to Madina necessary and how it took place , about how they were welcomed in Madina

10) The islamic state, Explain how the holy prophet started to strengthen the new muslim nation, tell about brotherhood between muhajirs and Ansar, agreement of meesaq-e-madina with the jews.

11) Personalities of islam, to know some important events from the lives of Hazrat Usman, Hazrat Ali and describe how they were as rulers.

12) Honesty, importance of honesty, Holy Prophet was always honest in his dealings.

13) Rights of the people, importance of respecting and recognizing the rights of one's parents, relatives, neighbors, how to welcome guests and travelers and be mindful of their needs.

14) Good manners,importance of social etiquette like being punctual, to practice simplicity.

15) Articles of faith: Importance of all seven articles of faith Iman in Allah, angels, books, Prophets, last day, life after death, destiny or Qadr

16) Stories from Quran. Events describe in Quran. (The story of Hazrat Saleh and the people of samood, the story of Hazrat Yunus and the Fish

17) Ethicals Questions

Note: General knowledge question related to mentioned topics will be assessed in aptitude test.

COMPUTER

- Introduction of Small basic + syntax.
- Variable along with its types and usage.
- Subroutine
- Event along with it is types.
- If statement + logical operators.

- Introduction to Web concepts.
- Computer virus
- Word processing and documents formatting.
- Define IOT, AI, Robotics and Automation
- Responsible technology use
- Nasser Saleh
- Jeck Ma

Social Studies

1. Karachi
2. Balochistan
3. Climate change
4. Our world
5. Money and banks
6. Struggle for independence
7. Understanding governance
8. People of Pakistan
9. Citizenship
10. Trade

- **Test paper will be based on conceptual questions.**