Bakhtawar Cadet College for Girls
Shaheed Benazirabad

SYLLABUS FOR ENTRY TEST OF CLASS VIII

MATHEMATICS

i. **Sets**
ii. **Rational Numbers**
iii. **Exponents**
iv. **Square Root Of Positive Numbers**
v. **Direct And Inverse Variation**
vi. **Financial Arithmetic**
vii. **Algebraic Expression**
viii. **Linear Equations**
ix. **Fundamentals Of Geometry**
x. **Circumference , Area, And Volume**
xi. **Information Handling**

URDU

مشقی سوالات اردو درسی کتاب سندھ ٹیکسٹ بک بورڈ

اسم اور اسم کی اقسام، فعل، فاعل، مفعول، حرف کی تعریف

مضمون نگاری، کہانی نویسی، درخواست، خط، منظر نگاری

SINDHI

سڌ ٽيڪسٽ بک بورڊ ڪتاب ڪلاس ڇهون ۽ ستون

:نصابي ڪتاب مان .

نظم، نثر، سبقن جي تشريح ۽ سوال جواب

:گرامر ۽ پولي .

مضمون نويسي، خط، درخواست، ڳالهائڻ جا اٺ لفظ، بيهڪ جون نشانيون، پهاڪا ۽ اصطلاح، ضد ۽ هر معنيٰ لفظ

ادبي صنفون .

مختلف ادبي صنفن جو تعارف افسانو، ناول، بيت، غزل،

ENGLISH

1. Grammar and Usage

- Parts of Speech: Identification and usage (nouns, pronoun, verb, adjective, adverb, preposition, conjunction, interjection).

- Tenses: Present Tense, Past Tense, and Future Tense with their types.

- Sentence Structure: Types of sentences (declarative, interrogative, imperative, exclamatory, affirmative)

- Subject-Verb Agreement: Ensuring correct verb forms with different subjects.

- Punctuation: Basic punctuation rule, including the use of comma, full stop, question mark, exclamation mark, and quotation mark.

2. Vocabulary

- **Synonyms and Antonyms: Understanding and identifying synonyms and antonyms.**
- **Word Meanings: Knowledge of common word and ability to identify meaning in context.**
- **Homophones and Homonyms: Recognizing words that sound the same or have multiple meanings.**
- **Spellings: Correct spelling of frequently used words.**

3. Reading Comprehension

- **Passage Analysis: Reading and understanding a given passage, story, or short article.**
- **Questions on Passage: Answering factual and inferential questions based on the passage.**
- **Main Idea and Details: Identifying the main idea, supporting details, and author's intent.**
- **Vocabulary in Context: Understanding the meaning of words or phrases in the context of the passage.**

4. Writing Skills

- **Paragraph Writing: Writing a cohesive and organized paragraph on a given topic.**
- **Letter Writing: Writing a formal or informal letter based on a prompt.**
- **Essay Writing: Basic essay on a familiar topic (e.g., My School, My Favorite Book, A Memorable Day).**
- **Story Writing:**

-Writing a short story or continuing a story from a given line.

-Descriptive Writing: Describing a person, place, or event.

Suggested Test Format

- **Multiple Choice Questions (MCQs): Grammar, vocabulary, and comprehension.**
- **Short Answer Questions: Based on reading passages.**
- **Writing Task: One creative writing prompt (paragraph, letter, or essay).**

GENERAL KNOWLEDGE

1. SOCIAL STUDY

i. **Geography of Pakistan (neighbor Countries, Mountains, Lakes, Desert, Barrages)**
ii. **Climate of Pakistan**
iii. **Continents and oceans**
iv. **Famous battles (Plessey, Panipat, and War of Independence and Mughal Era)**
v. **First in Pakistan (Governor General, President, Prime minister)**
vi. **National things (bird, flower, animal etc.)**
vii. **Old and new names of Countries of the World**
viii. **Power resources of Pakistan**
ix. **Beginning of Islam**
x. **Rise of the Muslims (Sir Syed Ahmed khan, Allama Iqbal, Quaid -i- Azam and Liaquat Ali Khan)**
xi. **Good Touch and Bad Touch**
xii. **Persian Empire**
xiii. **Deforestation**

2. GENERAL SCIENCE

i. Human respiratory and digestive system
ii. Photosynthesis and reproduction in plant
iii. Water (cleaning of water and water cycle)
iv. Structure of atom
v. Physical and Chemical changes taking place in the environment.
vi. Current and electricity
vii. Types of electric current
viii. Production and propagation of sound
ix. Heat and its transfer
x. Conduction, convection and radiation
xi. Every day Applications of heat transfer
xii. Electric Current and electric circuits.
xiii. Measurement of current, voltage and resistance.
xiv. Environment, food chain, and food web
xv. Periodic table
xvi. Acid base and salt
xvii. Force and Pressure
xviii. Human nervous system

3. ISLAMIAT

الف: دی گئیں سورتوں کا اردو، سندھی یا انگریزی ترجمہ: سورہ الفاتحہ، سورہ الکوثر، سورہ العصر اور سورہ الفیل

ب: 1۔ ارکان اسلام 2۔ عقائد اسلام

3- پہلی وحی کا واقعہ 4- ہجرت مدینہ

ج- میثاق مدینہ، غزوہ بدر، غزوہ احد، غزوہ خندق، صلح حدیبیہ، فتح مکہ اور حجۃ الودع

د- رسول اللہ ﷺ کا اسوہ حسنہ: ایفائے عہد، سچائی، امانتداری اور عفو و درگزر

4. COMPUTER SCIENCE:

i. Introduction of Computer
ii. Hardware component of Computer system
iii. Input device with examples
iv. Operating System
v. MS (Word)
vi. MS (Power Point)
vii. Types of Computers