



# 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

سڈ ٹیکسٹ بک بورڈ کتاب کلاس چھون ۽ ستون  
گرامر: مضمون، ڳالهائڻ جا اڻ لفظ، بيهڪ جون نشانيون، پڻا لفظ، اصطلاح، مختلف صنفون: مثال  
افسانو، ناول، بيت، غزل.

### ENGLISH

#### 1. Grammar and Usage

- Parts of Speech: Identification and usage (nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions, interjections).
- 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 rules, including the use of commas, full stops, question marks, exclamation marks, and quotation marks.

## **2. Vocabulary**

- **Synonyms and Antonyms:** Understanding and identifying synonyms and antonyms.
- **Word Meanings:** Knowledge of common words and ability to identify meanings 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**
- 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)**

## 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. Transmission of heat
- vi. Current and electricity
- vii. Environment, food chain, and food web
- viii. Force and Pressure
- ix. Structure of flower

## 3. ISLAMIAT

الف: مندرجہ ذیل سورتوں کا اردو ترجمہ: سورہ الفاتحہ، سورہ الکوش، سورہ الماعون اور سورہ الہب

ب: 1- ارکان اسلام 2- عقائد اسلام

3- پہلی وحی کا واقعہ 4- ہجرت مدینہ

ج- بیثاق 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