

# Tyndale-Biscoe & Mallinson School Tangmarg

## U-I & U-II SYLLABUS FOR CLASS-VII

(Session 2016-17)

### SUBJECT: ENGLISH

#### UNIT-I

- Literature:** **The Cat That Got Away**  
\* Read aloud/Silent reading \* Comprehension. \* Writing a Report (Guided)
- Poetry:** **From a Railway Carriage**  
\* Recitation \* Summarization \* Comprehension  
\* Profile of the Poet \* Theme of the poem \* Imagery
- Grammar:** Phrases and Clauses (Types)  
\* Simple, Compound and Complex Sentences
- Vocabulary:** Homonyms

#### UNIT-II

- Literature:** **Virginia's Letter**  
\* Loud / Silent reading \* Comprehension \* Writing a Dialogue (Independent)  
\* Preparing a Debate Script (Tabular Form)
- Poetry:** **The Discovery**  
\* Recitation \* Summarization \* Theme of the Poem  
\* Comprehension \* Profile of the Poet \* Alliteration
- Grammar:** Nouns  
\* Types (Recap) \* Formation of Nouns  
Pronouns  
\* Pronouns – Recap \* Indefinite, Distributive and Interrogative
- Vocabulary:** Homographs

### SUBJECT: MATHEMATICS

#### UNIT-I

##### Integers

- ❖ Recapitulation of Natural Numbers & Whole numbers and Integers
- ❖ Properties of Integers (addition, subtraction, multiplication, division)

##### Lines and Angles

- ❖ Recapitulation of Line, Line Segment & Ray
- ❖ Recapitulation of Angles & Types of Angles
- ❖ Pairs of Angles (Complementary, Supplementary and Adjacent  $\angle$ 's, Linear Pair, Vertically Opposite  $\angle$ 's)
- ❖ Parallel Lines and Transversal

#### UNIT-II

##### Fractions

- ❖ Recapitulation of Fractions, Addition & Subtraction of Fractions
- ❖ Multiplication of Fractions
  - Multiplying a Fraction by a Whole Number
  - Multiplying a Fraction by a Fraction
- ❖ Division of Fractions
  - Division of a Fraction by a Whole Number
  - Division of a Fraction by a Fraction

##### Decimals

- ❖ Recapitulation of Decimals, Like & Unlike Decimals, Addition & Subtraction of Decimals
- ❖ Multiplication of Decimals
- ❖ Division of Decimals

##### Properties of Triangles

- ❖ Recapitulation of Triangle & its Types
- ❖ Angle Sum Property of a Triangle
- ❖ Exterior Angle Property of a Triangle
- ❖ Pythagoras Theorem

### SUBJECT: SOCIAL STUDIES

#### HISTORY

#### UNIT - I

- Topic:** Where, When and How: The Medieval Period of History
- \* Recapitulation of the Ancient Period (India)
  - \* Beginning of the Medieval Period
  - \* Sources of information for Medieval History

#### UNIT-II

- Topic:** New Kings and Kingdoms.
- \* Powerful Dynasties ruling in Northern and Southern India
  - \* Turkish Invasions (Project related to Medieval J&K)

**CIVICS**  
**UNIT-I**

**District Administration:**

- \* Districts of India
- \* Administration of the Districts
- \* Introduction about Districts of Jammu and Kashmir

**UNIT-II**

**(A) The State Government**

- \* Introduction
- \* Three organs of the Government
- \* Composition and functions of the Vidhan Sabha and Vidhan Parishad

**(B) The Central Government**

- \* Three organs of the Government
- \* President
- \* Prime Minister

**GEOGRAPHY**  
**UNIT-I**

**Our Environment**

- \* Introduction of Environment (Natural and Manmade Environment)
- \* Types of Natural Environment and Manmade Environment
- \* Global Warming

**UNIT-II**

**Interior of the Earth**

- \* Introduction
- \* Layers of the Earth's surface
- \* Rocks and Minerals

**SUBJECT: SCIENCE**

**PHYSICS**  
**UNIT-I**

**Topic- Weather, climate changes and adaptations (103-116)**

**Sub-topics:-** Rotation of Earth; Revolution of Earth; the tilt of the Earth and Insolation; effects of Rotation and Revolution; Weather; Climate; seasons; climatic adaptations of animals; Animal life; adaptations of polar bear and penguins; The Tropical Rainforest; Predator protection Mechanism.

**Practical work – in text activities.**

**UNIT-II**

**Topic- Air pressure and wind systems (200-212)**

**Sub-Topics:-** Atmospheric pressure; factors on which air pressure depends; measurement of wind direction and wind speed; unequal heat distribution from equator to poles; uneven heating of land and water; storms; destruction caused during storms; safety measures.

**Practical work – in text activities.**

**CHEMISTRY**  
**UNIT-I**

**Topic- Living Resource (water)**

**Sub-Topics:** Water as a resource of living; forms of water and their sources; scarcity of water; forms of water; different kinds of water resources; the need for water; water management (Rainwater harvesting) conservation of water.

**UNIT-II**

**Topic- Waste water Management**

**Sub-Topics:** Sources of waste water; 4R practice; water supply; sewage; open drains; waste water treatment plant (WWTP); sludge treatment; water pollution; social awareness.

**BIOLOGY**  
**UNIT-I**

**Topic: How do plants live**

**Sub-topics:** Introduction, Types of nutrition—Autotrophic and Heterotrophic nutrition. Heterotrophic nutrition in non-green plants—Saprotrophic, parasitic and symbiotic. Synthesis of other organic compounds, special mode of nutrition—insectivorous plants, mineral nutrition and source of plant nutrients.

**UNIT-II**

**Topic: How do animals take Food**

**Sub-topics:** Introduction, classification of animals (food habits), Different steps of holozoic nutrition, Holozoic nutrition in amoeba, digestion in human beings, Teeth, sets of teeth, types of teeth, nutrition in grass eating animals (ruminants).

## یونٹ اول

متعلقہ درسی کتاب کے اسباق یعنی ”ماحولیاتی توازن“، ”اخلاق نبوی کریم ﷺ“ اور ”نظم“ ”ترانہ وحدت“ کی تشریح و توضیح اور الفاظ معنی، سوالات کے جوابات، خالی جگہیں محاورات، نادیہ اقتباس، رموزات اور دئے گئے الفاظ کے معنی اور ان کو اپنے جملوں میں استعمال کرنا۔  
قواعد: علم صرف اور علم نحو کی تعریف۔ علم صرف کے لحاظ سے لفظ کی قسمیں (مستقل الفاظ اور غیر مستقل الفاظ) مترادف الفاظ، غلط ڈرست فقرے، محاورات اور جملے۔  
مختصر نوٹ: مرزا اسد اللہ خان غالب۔

## یونٹ دوم

متعلقہ درسی کتاب کے اسباق ”بھلے اور بُرے کی پہچان“، ”ڈاک کا انوکھا ٹکٹ“ اور ”نظم“ ”قلم“ کی تشریح و توضیح اور الفاظ معنی، سوالات کے جوابات، خالی جگہیں محاورات، نادیہ اقتباس، رموزات، اور دئے گئے الفاظ کے معنی اور ان کو اپنے جملوں میں استعمال کرنا۔  
قواعد: بناوٹ کے لحاظ سے فعل کی قسمیں۔ محاورات اور جملے۔ سابقے اور لاحقے۔ متشابہ الفاظ  
مختصر نوٹ: سر سید احمد خان خط: نجی، دفتری

## SUBJECT: HINDI

### UNIT-I

पाठपुस्तक	अन्याय का विरोध ठुकरा दो या प्यार करो (कविता)
व्याकरण	समास की पुनरावृत्ति भाषा और व्याकरण
अनुच्छेद	आप अन्याय का विरोध कैसे करेंगे अपठित गद्यांश

### UNIT-II

पाठपुस्तक	भगतसिंह की शहादत साथी हाथ बढ़ाना
व्याकरण	संज्ञा, लिंग, वचन, सर्वनाम
अनुच्छेद	भगतसिंह का चरित्र चित्रण
अपठित गद्यांश	