

# International Islamic School

Millatabad-B Peerbagh, Srinagar-190014, J&K

Phone 0194-2440020-21|Cell: 7889578454

Email: [iislamicschool@gmail.com](mailto:iislamicschool@gmail.com)|Website: [www.iissrinagar.net](http://www.iissrinagar.net)

---

## **Learning Portion for Golden Exams**

### **Class 10<sup>th</sup>**

#### **English**

##### **Text book**

##### **Prose:**

1. Footprints without Feet
2. From the Diary of A Young Girl
3. Pappachi's Moth
4. The Merchant of Venice

##### **Poetry:**

1. Prayer
2. Miracles
3. An Evening Wet with Rain
4. The Tale of Custard the Dragon
5. Last Lesson of the Afternoon

##### **Short Stories:**

1. The Servant
2. Dusk

##### **Grammar and Writing Skills:**

1. Modals, Articles, Tenses, Narration, Punctuation
2. Message Writing, Article Writing, Speech Writing, Paragraph Writing, Letter Writing, Story Writing

#### **Mathematics**

1. Linear equations
2. Quadratic equations
3. Triangles
4. Trigonometry
5. Applications of Trigonometry
6. Surface areas and Volumes
7. Statistics
8. Circles
9. Areas related to circles

## Social Studies

### ( HISTORY)

1. Rise of nationalism in Europe
2. Nationalism in india
3. Print culture and the modern world

### (Civics)

1. Power sharing
2. Federalism
3. Gender ,religion and caste

## Geography

1. Understanding jk economy
2. Agriculture
3. Manufacturing industries
4. Lifeline of national economy.

## Science

### Chemistry

#### 1 carbon and it's compounds

Hydrocarbons and it's types, homologous series and it's characteristics, structural formula,Lewis dot structure, condensed formula of alkane,alkene and alkyne,IUPAC nomenclature of organic compounds.Properties of ethanol and ethanoic acid.Allotropes of carbon, structure of diamond and graphite,soap, action of soaps.

#### 2.Acids,bases and salts

Arrheniu concept of acids and bases, physical and chemical properties of acids and bases, types of acids and bases, biological importance of pH value,pH scale,salts such as pop, bleaching powder, sodium bicarbonate and sodium carbonate.salts and it's types.

## Physics

#### 1. Light – reflection and refraction. (8 Marks)

Spherical mirrors; image formation, use of spherical mirrors.

Mirror formula (numerical problems); magnification

Refractive index, laws of refraction (Snell's law), conditions for no refraction.

Spherical lenses; image formation, sign conventions, lens formula (Numerical problems), magnification.

#### 1. Electricity. (9 Marks)

Electric current; electric potential and potential difference, Ohm's law and experimental verification; Resistance and its dependence, resistivity, combination of resistances - series and parallel (Numerical problems). Advantages of parallel combination of resistances  
Heating effect of current- Electric power and energy (Numerical problems), fuse.

### 1. **Magnetic effects of Current. (9 Marks)**

Oersted's Experiment, Magnetic field and Magnetic field lines. Maxwell's right hand thumb Rule, Ampere's swimming Rule, Fleming's left-hand Rule.

Magnetic field due to current carrying conductors - straight, coil(loop), and Solenoid (qualitative only), Difference between bar magnet and electromagnet.

Force on a current carrying conductor in a magnetic field.

Domestic electric circuits.

## **Biology**

### **Control and coordination**

1. Understanding the concept of control and coordination
2. Difference between control and coordination in plants and animals
3. Control and coordination in humans:
  - a. Nervous system
  - b. Meaning and concept of Central nervous system and peripheral nervous system
  - c. Structure of human neuron
  - d. Types of neurons (sensory, motor and relay neuron)
  - e. Difference between a neuron and a nerve
  - f. Structure of spiral cord, Reflex action and its importance
  - g. Structure and function of human brain  
**(Detailed study of forebrain, midbrain and hindbrain)**
  - h. Meaning and concept of Human endocrine system
  - i. Functions of hormones released from :
    - . **Pituitary gland**
    - . **Hypothalamus**
    - . **Pineal gland**
    - . **Thyroid gland**
    - . **Pancreas**
    - . **Adrenal glands**
    - . **Testis and ovaries**
  - j. Meaning and concept of Phytohormones
  - k. Functions of following Phytohormones
    - . **Auxin**
    - . **Gibberellin**
    - . **Cytokinin**
    - . **Abscissic acid**
    - . **Ethylene**
  - l. Plant Movements: Difference between tropic and nastic movement in plants
  - m. Phototropism
  - n. Geotropism
  - o. Hydrotropism
  - p. Chemotropism

g. Nastic movement in mimosa pudica plant.

### **How do living organisms reproduce**

- a. Understanding the meaning of sexual and asexual reproduction
- b. Importance of variations in sexual reproduction
- c. Asexual reproduction in unicellular and simple multicellular organisms:
  - . Fission
  - . Budding
  - . Fragmentation
  - . Spore formation
- d. Asexual reproduction/vegetative propagation in plants:
  - . Cutting
  - . Grafting
  - . Layering
  - . Tissue culture
- e. Advantages and disadvantages of tissue culture
- f. Sexual reproduction in plants:
  - . Structure of a flower
  - . Meaning and concept of pollination
  - . How fertilization occur in flowering plants plants
- g. Sexual reproduction in humans:
  - . Structure of female reproductive system
  - . What is menstruation/menstrual cycle
  - . How does fertilization occur in humans
  - . Difference between zygote and an embryo
- h. Methods of contraception:
  - . Surgical methods
  - . Chemical methods
  - . Barrier methods.

## **Urdu**

اصناف

داستان ناول . افسانہ . انشائیہ . خاکہ

خلاصہ .

سیر چوتھے درویش کی . عبرت . آسمان پھول

اور لہو . خوشامد .

ادباء کے نوٹ

سر سید احمد خان . ڈپٹی نذیر احمد . نور شاہ

مولوی عبدالحق .

سوالات جوابات

تشریح . غالب . فانی . شاد . اکبر جے پوری

سوالات جوابات

مرثیہ . نعت . قصیدہ . رباعی . قطعہ رامائن کا

ایک سین . شکست انتظار

گرائمر

ترکیب نحوی . حروف کی قسمیں . مضمون

نگاری . خطوط نگاری

