



# International Islamic School

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## **Learning Portion for Summative Assessment**

### **Class 9<sup>th</sup>**

#### **English**

##### **Text book:**

1. *Present Tense*
2. *Words used as parts of speech*
3. *Dialogue Writing*
4. *Punctuation*
5. *Saint of the Gutters*
6. *To Blossoms*
7. *Old Man at the Bridge*

#### **Mathematics**

1. *Circles*
2. *Heron's formula*
3. *Surface area and volume*
4. *Statistics*

#### **Science**

##### **Physics**

1. ***Work Power and Energy.***

*Energy and its types, Kinetic energy and Potential energy, conservation of mechanical energy.*

2. ***Gravitation.***

*Newtons law of gravitation, Gravitational constant definition and value.*

*Acceleration due to gravity; definition and derivation of its mathematical expression, variation in acceleration due to gravity, change in the value of 'g' due to altitude and depth.*

*Difference between mass and weight, difference between G and g.*

### 3. Sound.

*Definition and properties of wave, mechanical and non-mechanical wave definition, difference between transverse and longitudinal wave. Relation between wavelength frequency and speed of wave.*

## **Biology**

### **Chapter: prevention of drug abuse and STDs**

1. Meaning and concept of drugs
2. Understanding the concept of drug abuse
3. Reasons of drug abuse
4. Symptoms of drug abuse
5. Different types of drugs
6. Treatment of drug abuse
7. Meaning and concept of STD's
8. AIDS, Causes, symptoms and prevention

### **Chapter: Improvement in food resources**

1. Why do we need to improve our food resources
2. Meaning and concept of agriculture
3. Nutrient management
  - A. Difference between fertilizer and manure
  - B. Different types of manures
4. Irrigation, various methods of irrigation
5. Cropping pattern, various methods of cropping pattern
6. Plant hybridization
7. Genetic manipulation or recombinant DNA technology
8. Crop protection methods
9. **Animal husbandry , detailed notes on:-**
  - a. Apiculture
  - b. Pisciculture
  - c. Poultry farming
  - d. Dairy farming/cattle farming

## **Chemistry**

Is matter around us pure

- 1) Properties of a collide
- 2) Chromatography
- 3) Physical and chemical change

### **Atom and molecules (full chapter)**

- 5) Laws of chemical combination
- 6) Introduction to atom
- 7) Atomic mass
- 8) Types of molecules

- 9) Writing chemical formula of elements, compound
- 10) Formula mass, molecular mass, mole concept, numerical
- (12) Electronic configuration of elements from Hydrogen to argon.

### **Atomic structure**

- 11) Isobars and isotopes
- 12) valency
- 13) Thomson's model of an atom

## **Social Studies**

### ***Subject geography/disaster***

1. *Natural vegetation and wildlife*
2. *Geography of J&k, Ladakh*
3. *Understanding Indian economy.*

## **History**

1. *Forest society and colonialism*
2. *Pastoralists in the modern world*

## **Civics**

1. *Working of institutions*
2. *Democratic Rights*

## **Urdu**

حصہ نثر  
ناول کا بیان کرشن چندر "میں ایک شہر تھا  
پونچھ غالب ، خطوط غالب  
حصہ نظم غزل  
غزل کا بیان - غزل بیتاب  
نظم بزم انجم ، قبر  
حروف کے مختلف اقسام  
مضمون نگاری ، خطوط نگاری  
واحد جمع - مکرر مونث ، الفاظ و اعداد  
الفاظ معنی -

## Kashmir

### Chapters

۱ روپہ

۲ نعت

۳ لپلا

۴ انسائس کن

### Grammar (گرامر)

• مضمون

• خطوط نگاری

• لفظن ہندی متضاد

• ناؤت

• محاورن ہندی معنی