

## **MATHEMATICS:**

**BOOK – UNDERSTANDING ICSE MATHEMATICS(APC) --- 10 STD**

**EX—2 :-- 1,2,3,4,5**

**EX—4 :--1,2,3,4,5**

**EX – 5.2:- 1,2,3,4,5**

## **GEOGRAPHY:**

### **CLIMATE OF INDIA**

**ANSWER THE FOLLOWING QUESTION IN BRIEF:**

1. What is the general climate of India?
2. Name the different seasons with their duration.
3. Why Darjeeling is cooler than Kolkata?
4. Why Thar is a Water Thirsty ?(Give two points)
5. Define the following terms: kalbaisakhi and loo.
6. What is the pressure condition of India during summer and winter season?

## **CIVICS:**

**Chapter: The Union Legislature**

**Answer the following questions:**

1. What is meant by the federal set up in India?
2. Name the two houses of the Indian Parliament.
3. What is the normal duration(term) of Lok Sabha and Rajya Sabha?
4. Mention two powers of the Speaker of the Lok Sabha.
5. Name the bill which cannot be introduced in the Rajya Sabha.
6. With reference to Rajya Sabha, answer the following questions:
  - Its Composition
  - Its Qualifications
  - Manner of Election.

## **PHYSICS:**

### **CHAPTER- WORK, ENERGY AND POWER**

1. State when work done by a force is said to be zero?
2. State when work done by a force is said to be positive?
3. Write the SI unit of work.
4. Define Kinetic energy. State the factors on which the Kinetic energy is dependent.
5. Define Potential energy. State the factors on which the Potential energy is dependent.
6. State the S.I unit of Power.
7. Write two differences between Energy and power.
8. State the energy changes- a) an electric iron  
b) a ceiling fan

## **CHEMISTRY:**

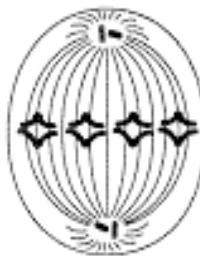
### **CHAPTER : PERIODIC TABLE**

#### **ANSWER THE FOLLOWING QUESTIONS :**

1. State Modern Periodic Law.
2. Why the periodicity is observed in Periodic table?
3. Define the following : Atomic size , Ionisation Potential , Metallic character
4. Write the factors which are responsible for Ionisation Potential?
5. Why is sodium the most metallic in nature in period 3?
6. Write the differences of the following :
  - F and Be (atomic size)
  - Mg and Cl (I.P)
7. What are bridge elements? Give examples.

## **BIOLOGY:**

**Q1.** Given below is a diagram representing a stage during mitotic cell division. Study it carefully and answer the questions that follow:



- I.** Name the stage that follows the one shown here. How is that stage identified ?
- II.** How will you differentiate between mitosis and meiosis on the basis of the chromosome number in the daughter cells ?
- III.** Draw a duplicated chromosome and label its parts.
- IV.** Is it a plant or an animal cell?

**Q2.** Name the following:

- a. The number of chromosomes present in a nerve cell of a human being.
- b. A pair of corresponding chromosomes of the same shape and size and derived one from each parent.
- c. The organelle of the cell that initiates cell division.

**Q3.** What is the significance of mitosis and meiosis?

**Q4.** State 1 difference between:

- a. Mitosis in plant cell and mitosis in animal cell
- b. Chromosome and centromere
- c. Gene and chromosome

**Q5.** State the different types of chromosome.