



**Holiday Homework**  
**Academic Session : 2019-20**  
**Class - IX**

**English**

**Literature worksheet**

Ch 1, 2, 3 [The Fun They Had, The Sound of Music, The Little Girl]

**Poetry -**

[The Road Not Taken, Wind]

**Supplementary-**

CH 1- The Lost Child

CH 2-The Adventures of Toto

**Hindi**

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**Maths**

**Chapter name: Number System**

**Exercise 1.1**

Q no.-3

**Exercise 1.2**

Q no.-3

**Exercise 1.4**

Q no.-1

**Chapter: Polynomial**

**Exercise 2.2**

Q no.-2

**Exercise 2.3**

Q no.-2

**Exercise 2.5**

Q no.-13 & 14

**Chapter name: Linear equation in two variables**

**Exercise 4.1**

Q no.-1

**Exercise 4.2**

Q no-4

**Note : All questions are from NCERT Textbook.**

## Science

1. Liquid generally have lower density as compared to solid. But you must have observed that ice floats on water. Find out why?
2. How does the water kept in an earthen pot (matka) become cool during summer?
3. For any substance, why does the temperature remain constant during the change of state?
4. Pressure and temperature determine the state of substance. Explain this in detail.
5. What types of mixtures are separated by the techniques of crystallisation?
6. Classify the physical and chemical changes?

Draw a flow sheet diagram showing the separation of various components of a mixture containing camphor, sand and iron fillings

## Biology

Q-1. Which cell organelle controls most of the activities of the cell?

Q-2. What will happen if a fresh water amoeba is placed in marine water?

Q-3. Name the longest cell of human body.

Q-4. Name the membrane which covers the vacuole in plant cell.

Q-5. Write short notes on the following:

- a)- Plasmodesmata    b)- Peroxisomes                      c)- Middle lamella    d)- Centrosomes

Q-6. Draw a well labeled diagram of plant and animal cell, state five differences between the two.

Q-7. How are chromatin, chromatid and chromosomes related to each other?

Q-8. Name the bio molecules present in plasma membrane.

Q-9. State in brief, what happens when:

- a)- The red blood cell is kept in concentrated salt solution.
- b)- Rheo leaves are boiled in water first and then drop of sugar solution is put on it.
- c)- Golgi apparatus is removed from the cell.

## Social Studies

**Map work: Locate the following on the outlined map.**

**Use separate map for each topic.**

**Paste these map in a notebook**

1. The great mountain of the North
  - (a) Divisions of Himalaya (b) Famous peaks, passes and glaciers of Himalayas Eastern Hills.
2. The Peninsula plateau & Indian desert
  - (a) Western Ghat (b) Eastern Ghat (c) Western Coast (d) Eastern coast (e) Highest peak of peninsula (f) Island groups (g) Central Highlands (h) Deccan plateau (j) Great India Desert.
3. Rivers and lakes
  - (a) Indus and its tributaries (b) Ganga & its tributaries (c) Brahmaputra River system (d) All peninsula rivers & lakes
4. Annual distribution of rainfall in centimeters
  - a) 0 – 20 (b) 20 – 40 (c) 40 – 60 (d) 60 – 100 (e) 100 – 200 (f) 200 – 300 (g) 300 – 400 (h) 400 & above
5. Natural vegetation of India
  - (a) Five major vegetation Belts (b) Tropical Rain forest (c) Tropic deciduous forest (d) Thorn and scrub forests (e) Mountain forest (f) Mangroves
6. Wild life reserves
  - (a) Wild life sanctuaries (b) Bird sanctuaries (c) National park (d) Bio reserves
7. Density of population (person per sq km)
  - (a) 100 & below (b) 101 – 250 (c) 201 -500 (d) 501 & above