

**SANT ISHAR SINGH JI MEMORIAL PUBLIC SCHOOL**  
**KARAMSAR RARA SAHIB**  
**Holidays Homework      CLASS- X**

**Subject- English**

Reading Passage  
CA, PA, HA Assignments 1-3 each  
Writing Letters  
PA 10 and 11  
CA 21 PA 16  
GRAMMAR  
CA 42,43  
PA 32

**Subject- Mathematics**

Exercise :1.2	Q1.,Q3.,Q4.,Q5.
Exercise: 1.3	Q1.,Q3.
Exercise: 1.4	Q1.,Q2.
Exercise: 2.2	Q1.,Q2
Exercise: 2.3	Q1.,Q3.,Q4
Exercise: 3.2	Q2.,Q4
Exercise: 3.3	Q1.,Q3
Exercise: 3.4	Q1.,Q2.
Exercise:3.5	Q2.,Q3.
Exercise: 3.7	Q1.,Q4.,Q6.,Q8.

**Subject- Science**

**Do all these on Your fair notebooks of respective subject.**

**ASSIGNMENT OF PHYSICS**

1. The power of a lens is  $-40$ , what is its focal length?
2. State laws of reflection.
3. What are the properties of image formed by a plane mirror?
4. Give two uses of convex mirror.
5. What is refractive index?
6. Draw a ray diagram to show the image formed by a concave lens for the object placed at infinity.
7. Draw a ray diagram to show the path of light when it travels through glass slab.
8. State the lens formula and mirror formula.
9. The refractive index of water is 1.33 and kerosene is 1.44 calculate the refractive index of kerosene with respect to water.
10. Draw and explain the ray diagram formed by a convex mirror when:  
(a) object is at infinity                      (b) object is at finite distance from the mirror.

11. Differentiate between concave lens and convex lens.
  - (a) Name two mirrors used in this fair shop.
  - (b) Name the mirror in which the size of image is small.
12. Name two types of spherical mirror.
13. Give uses of concave mirror.
14. Give uses of convex mirror.

Draw ray diagrams to show the formation of image by concave mirror for the following positions of object:

- I) At infinity
- II) Beyond C
- III) At C
- IV) Between F&C
- V) At F
- VI) Between F&P

### **ASSIGNMENT OF CHEMISTRY**

#### **FILL IN THE BLANKS:-**

1. In a \_\_\_\_\_ reaction two or more substances combine to form a new single substance.
2. Unbalanced reactions are also known as \_\_\_\_\_
3. **Reactions** in which heat is absorbed are called \_\_\_\_\_ - reactions.
4. Reactions in which energy is released are known as \_\_\_\_\_ reactions.
5. When an element displaces another element from its compound, a \_\_\_\_\_ reaction occurs.
6. Those reactions, in which two compounds react by an exchange of ions to form two new compounds, are called \_\_\_\_\_ reactions
7. **Reduction** is the \_\_\_\_\_ of oxygen or gain of hydrogen.
8. The digestion of food in the body is an example of \_\_\_\_\_ reaction.
9. The addition of oxygen to a substance is called \_\_\_\_\_.
10. When calcium carbonate is heated, it decomposes to give \_\_\_\_\_ and \_\_\_\_\_.

#### **TRUE/ FALSE: -**

11. The number of atoms of each element is not conserved in any chemical reaction.
12. **Reduction** is the loss of electrons by a substance.
13. A magnesium ribbon burns with a dazzling flame in air (oxygen) and changes into a white substance, magnesium oxide.
14. **The** reaction between nitrogen and hydrogen to give ammonia is an example of a combination reaction.
15. Action of heat on ferrous sulphate is an example of decomposition reaction.

#### **SHORT ANSWERS**

16. Write a chemical equation when lead nitrate solution reacts with aqueous potassium iodide and name the type of reaction and also name the product formed.

17. Can a combination reaction be redox reaction? Give two examples.
18. Why do we apply paint on iron articles?
19. What is a decomposition reaction? Give its different types with one example of each.
20. Define displacement reaction and double displacement reaction with two examples of each.

### **ASSIGNMENT OF BIOLOGY**

1. Complete your practical file (biology practical)
2. Prepare the chart as per following roll no.
  - A) Roll no 1 to 10 from nutrition and circulation
  - B) Roll no 11 to 20 from Respiration and excretion
  - C) Roll no 21 to 30 from nervous system
  - D) Roll no. 31 to 40 from endocrine system.
3. Complete NCERT Questions of lesson 6 and 7 in CW COPY

### **Subject- Social Studies**

General Instructions:

1. Must use A4 sheets for doing activity work.
2. Must take photographs while keeping the signboard nearby water bodies and must paste in a file.
3. Keep all the documents attached in a file during submission of holiday homework.
4. Work must be neat and clean.

#### **ACTIVITY 1: SURVEY. (WATER SUSTAINABILITY)**

Students would collect information from his /her locality based on the following questions.

- (i) What is the source of water supply?
- (ii) How much water supply in a day?
- (iii) How many liters of water is used per family?
- (iv) Where is water wasted in the locality?
- (v) Which area has maximum demand for water?
- (vi) What does each family do to save water?
- (vii) What are the ways in which water can be saved?
- (viii) Give your suggestions to reduce the Consumption of water?

#### **ACTIVITY 2: POSTER MAKING**

Creating poster on “Climate Change and water crisis”

#### **ACTIVITY 3: MAP WORK ACTIVITY**

Locating various dams over the rivers.

#### **ACTIVITY 4: KEEPING SIGNBOARD**

Display the signboards nearby water bodies clean and unpolluted.

#### **ACTIVITY 5: QUESTION BANK**

Notes shared by the teacher must be written in your fair Notebook and get it checked after holidays.

## **Subject- Artificial Intelligence**

- Complete your Practical File Neatly that is Provided into your Class Group
- Complete Your Fair Note Books up to Notes provided in your Class Group

### **Activity**

Prepare a Chart from any of the following Topics: -

- Stress Management Techniques
- Communication Cycle

## **Subject- Information Technology**

- Complete Your Fair Note Books up to Notes provided in your Class Group.
- Learn Chapter-I and Chapter - II

### **Activity**

Prepare a Chart from any of the following Topics: -

- Principles of Effective Communication
- Techniques for Managing Stress

## **Subject- Punjabi**

### **Write & Learn**

ਲੇਖ :- (1) ਕੰਪਿਊਟਰ ਦਾ ਵਧ ਰਿਹਾ ਪ੍ਰਭਾਵ

(2) ਅੱਜ ਦਾ ਯੁੱਗ ਅਤੇ ਕ੍ਰੋਪੀਆਂ

(3) ਮੇਰੇ ਜੀਵਨ ਦਾ ਉਦੇਸ਼

(4) ਸੋਸ਼ਲ ਮੀਡੀਆ

(5) ਚੋਣਾਂ ਦਾ ਦ੍ਰਿਸ਼

ਦਫ਼ਤਰੀ ਪੱਤਰ:-

(1) ਆਪਣੇ ਸਕੂਲ ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਨੂੰ ਆਚਰਨ ਸਰਟੀਫਿਕੇਟ ਲੈਣ ਲਈ ਬਿਨੈ-ਪੱਤਰ ਲਿਖੋ।

(2) ਸਿਹਤ ਮੰਤਰੀ ਨੂੰ ਮੁਹੱਲੇ ਵਿੱਚ ਹਸਪਤਾਲ ਖੋਲ੍ਹਣ ਲਈ ਬਿਨੈ-ਪੱਤਰ ਲਿਖੋ।

(3) ਦੇਸ਼ ਵਿੱਚ ਕੋਰੋਨਾ ਨਾਂ ਦੀ ਫੈਲੀ ਮਹਾਂਮਾਰੀ ਲਈ ਆਪਣੇ ਸੁਝਾਅ ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨਾਲ ਸਾਂਝੇ ਕਰੋ, ਤਾਂ ਕਿ ਅਖਬਾਰ ਪੜ੍ਹ ਕੇ ਲੋਕ ਇਸ ਮਹਾਂਮਾਰੀ ਪ੍ਰਤੀ ਜਾਗਰੂਕ ਹੋ ਸਕਣ।

(4) ਤੁਹਾਡਾ ਪੰਜਾਬੀ ਦਾ ਪ੍ਰਸ਼ਨ-ਪੱਤਰ ਪਾਠ-ਕ੍ਰਮ ਤੋਂ ਬਾਹਰੋਂ ਆਇਆ ਹੈ। ਬੋਰਡ ਦੇ ਸਕੱਤਰ ਨੂੰ ਇਸ ਸਬੰਧੀ ਸ਼ਿਕਾਇਤ-ਪੱਤਰ ਲਿਖੋ।

(5) ਆਪਣੇ ਸਕੂਲ ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਸਾਹਿਬ ਨੂੰ ਇੱਕ ਬਿਨੈ-ਪੱਤਰ ਲਿਖੋ ਜਿਸ ਰਾਹੀਂ ਸਕੂਲ ਦੀ ਲਾਇਬ੍ਰੇਰੀ ਵਿੱਚ ਰੋਜ਼ਾਨਾ ਪੰਜਾਬੀ ਅਖਬਾਰਾਂ ਮੰਗਵਾਉਣ ਦੀ ਮੰਗ ਕਰੋ।

### **Learn (only)**

ਸਮਾਸੀ ਸ਼ਬਦ, ਅਗੇਤਰ, ਮੁਹਾਵਰੇ {ਕ} ਅੱਖਰ ਵਾਲੇ

## **Subject- Hindi**

### **Activity**

पाँच प्रकार के विज्ञापन तैयार करें

### **(Make Assignment)**

1. सूचना
2. अनुच्छेद
3. पत्र
4. लघुकथा

➤ नोट :- सभी विषयों पर दो दो बार लिखना है और अलग कापी पर संकलित करना है ।