HOLIDAYS HOME-WORK
CLASS X

ENGLISH

MAIN CORSE BOOK

- Do the Writing Task – B7 given at page 57.
- Do the Writing Task – D5 given at page 77.
- Do the Writing Task – A 11 given at page 96.
- Write a bio – sketch of the person you admire the most. (Take hints from page 67).
- Revise chapter 1, 2 and poem 1of the Literature Reader.

WORK BOOK

- Complete Integrated Grammar Practice –I & II at page 35& 79 respectively.

LONG READING TEXT

- Bring a self composed article or poem for the School magazine.

हिन्दी

- **संवाद लेखनः** 'विमुद्रीकरण'विषय पर दो मित्रों में संवाद कार्यपुस्तिका में लिखिए व कक्षा में प्रस्तुति हेतु तैयार कीजिए।
- **विज्ञापन लेखनः** विद्यालय में पुस्तक प्रदर्शनी इस विषय पर लगभग **50** शब्दों में विज्ञापन तैयार कीजिए।
- **अनुच्छेद लेखनः** मेरे जीवन का लक्ष्य इस विषय पर लगभग **100** शब्दों में अनुच्छेद कार्यपुस्तिका में लिखिए व कक्षा में भाषण हेतु तैयार कीजिए।
- **पत्र लेखन** ः आपके घर के पास दिन रात लाउड स्पीकरों का शोर रहता है जिससे आपकी पढ़ाई में विघ्न पड़ता है। इस विषय पर शिकायत करते हुए व समस्या के निदान का सुझाव देते हुए अपने इलाके के थाना अध्यक्ष को पत्र लिखिए।
- कबीर या बिहारी के कोई पाँच दोहे कंठस्थ कीजिए।

MATHEMATICS

- Prepare an assignment on the applications of Pair of Linear Equations in two variables.
- Complete worksheets of Ch- 1, 2, 3 and 6.

SCIENCE

BIOLOGY

To solve an assignment from the chapter6-life process.

I. Explain the process of Haemodialysis?
II. Compare the function of Alveoli and Nephron with respect to their structure and function.
III. Describe the formation of urine.
IV. Describe the structure of Nephron.
V. What are the methods used by plants to get rid of waste products.
VI. Explain the two vital functions of Human Kidney.
VII. Name the nitrogenous waste found in Human urine?
VIII. What happens to glucose which enters the nephron along with the filterate during excretion?
IX. Describe the various components of Xylem and Phloem.
X. How do the unicellular organisms remove metabolic waste products?
XI. Define excretion and osmoregulation.
XII. What is translocation?
XIII. Describe double circulation in Human beings. Why is it necessary?
XIV. Write the difference between the transportation of materials by Xylem and phloem.
XV. How are water and minerals transported by plants?
XVI. Describe the structure of Human heart.
XVII. Give a schematic representation of transport and exchange of CO_2 and O_2.
XVIII. How will you demonstrate Transpiration in plants?
XIX. Why is it necessary to separate oxygenated and deoxygenated blood in Mammals and Birds.
XX. What are the components of transport system in highly organized plants? How is food transported in Plants?

PHYSICS

1. If the speed of light in a medium id 2×10^8 m/s, then its refractive index is: a) 1 b) 10 cm c) 1.5 d) 0.5
2. The refractive index of diamond is 2.42. What is the meaning of this statement in relation to the speed of light?

Define refractive index. Light enters from air to diamond having refractive index 2.42. Find the speed of light in the diamond. The speed of light in vacuum is 3×10^8m/s.

3. An object is placed at a distance of 10cm in front of convex mirror of focal length 15cm. find the nature and position of image.

4. An object 3cm in length is held 25cm away from a converging lens of focal length 15cm. Find (i) the position (ii) size (iii) nature of the image formed .

5. The far point of a myopic person is double the near point of a normal person. What will be the nature of and power of lens required to correct the defect?

6. (a) How is image distance, object distance and focal length of a lens are related to each other? Why focal length of convex lens is considered positive and that of concave lens is considered negative?

(b) An object is placed at a distance of 20 cm from a convex lens of radius of curvature of 20 cm. Find the nature, position and size of the image.

7. Image of an object formed by convex lens is of same size as object of 8 cm.

(a)What is the position of object & the image in such a case?

(b)Represent using a ray diagram.

8.(i) State Snell's law of refraction of light.

(ii) A transparent medium a floats on another transparent medium B. When a ray of light travels obliquely from A into B, the refracted ray bends away from the normal. Which of these two media A or B are optically denser and why?

9.(a) Find the position of image formed when an object of size 1 cm is placed at a distance of 15 cm from a concave mirror of focal length 10 cm. (b) What is the focal length of a plane mirror?

10 . A concave mirror produces three times enlarged image of an object placed at 10 cm in front of it. Calculate the radius of curvature of the mirror.

11. (a)If an object of 7 cm height is placed at a distance of 12 cm from a convex lens of focal length 8 cm , find the position, nature and height of the image.

(b) Name the type of mirror used in the following situations: (i) Headlights of a car. (ii) Side view mirror of a vehicle.

(c) During its passage from one medium to another, where does a light ray change its path?

(d) The power of a lens is – 4.0 D. What is the nature of the lens?

12. An object 2cm in size is placed 30cm in front of a concave mirror of focal length15cm. At what distance from the mirror should a screen be placed in order to obtain a sharp image?

13. By drawing ray diagrams, show the formation of image, when an object is placed on the principal axis of a concave mirror at the following positions and write about the nature of the image in each case.

(a) At infinity (b) Beyond the centre of curvature (c) At the centre of curvature (d) At the principal focus

(e) Between the pole and focus

14. A student has difficulty in reading the black board while sitting the last row. What could be the defect he is suffering from? How can it be corrected? Draw a ray diagram for (a) The defective eye. (b) Its correction.

15. Two mediums A and B with refractive index 1.33 and 1.50 are given. In which case

i. Bending of light is more. ii. Speed of light is more. Justify your answer.

CHEMISTRY

1.Define various types of chemical reactions with at least five examples of each type.

2.Write differences between the following:-

i)Displacement and double displacement reactions

ii)Oxidation and reduction reactions

iii)Oxidizing and reducing agents

3.Define corrosion. Write an activity to show conditions required for corrosion to take place. Mention methods to prevent it?

4.What is rancidity? How can it be prevented?

5.Draw figures showing electrolytic decomposition of water.

6.Write observations and equations for following activities:-

I. Burning of Magnesium ribbon and dissolving the ash so formed in water.
II. Reaction of sodium sulphate solution and barium chloride solution.
III. Reaction of lead nitrate and potassium iodide solutions.
IV. Exposure of silver chloride to sunlight.
V. Heating of Lead nitrate.
VI. Heating of Ferrous sulphate.
VII. Heating of copper metal in presence of oxygen.
VIII. Reaction of zinc metal with sulphuric acid.
IX. Dissolution of lime in water and reactions when this solution is applied on walls for white washing on walls.
X. Reaction of zinc metal with copper sulphate.
XI. Reaction of iron with copper sulphate.

Also balance these equations.

SOCIAL SCIENCE

1. Project Work

   Make a project of 10 to 15 pages on the topic Resource Conservation. The project should cover any one resource and its uses, ways of conservation and availability.

2. Prepare unit I of political Science (Chapter 1 and 2) for periodic test.

Foundation of Information Technology

Design a Database in MS Access

Activity – 1: Create "**Table1**" in "**Design view**" and make 5 entries in it using "**Datasheet view**".

Activity – 2: Create "**Table2**" in "**Datasheet view**" and make 5 entries in the same view.

Activity – 3: Create "**Form1**" for "**Table1**" and "**Form2**" for "**Table2**" and make 2 more entries in each form i.e., "**Form1**" and "**Form2**".

PUNJABI

- ਆਧੁਨਿਕ ਸਮੇਂ ਵਿੱਚ ਤਕਨਾਲੌਜੀ ਦੇ ਵੱਧਦੇ ਰੁਝਾਨ ਦੇ ਲਾਭ ਅਤੇ ਹਾਨੀਆਂ ਤੇ ਆਪਣੇ ਵਿਚਾਰ 400 ਸ਼ਬਦਾਂ ਵਿੱਚ ਲਿਖੋ।
- ਸਿੱਖ ਸਿਧਾਤਾਂ ਤੇ ਆਧਾਰਿਤ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰਦੇ ਹੋਏ ਸਿੱਖ ਇਤਿਹਾਸ ਵਿੱਚ ਔਰਤਾਂ ਦੀ ਹਿੱਸੇਦਾਰੀ ਦਾ ਮਹੱਤਵ ਬਿਆਨ ਕਰੋ।
- 'ਰੁੱਖ ਲਗਾਓ ਵਾਤਾਵਰਨ ਬਚਾਓ' ਤੇ ਪੋਸਟਰ ਤਿਆਰ ਕਰੋ।
- 'ਵਿੱਦਿਆ ਵਿਚਾਰੀ ਤਾਂ ਪਰਉਪਕਾਰੀ' ਤੁਕਾਂ ਤੇ ਵਿੱਦਿਆ ਦਾ ਮਹੱਤਵ ਦੱਸਦੇ ਹੋਏ ਇਸ਼ਤਿਹਾਰ ਕਰੋ।
- ਵਿਚਾਰ ਪ੍ਰਦਾਨ ਲੇਖ ਯਾਦ ਕਰੋ।
- ਵਾਰਤਕ ,ਕਹਾਣੀ ਅਤੇ ਜੀਵਨੀ ਦੇ ਪਾਠਾਂ ਦੀ ਰੀਡਿੰਗ ਕਰੋ।