



ENGLISH

*Learn the following chapters for Unit test .

First flight- Ch 1 to Ch 3

Poem 1 to poem 4

Footprints without feet- Ch 1 & ch2

Grammar- Tenses, Modals & Subject verb agreement

Writing skill- Placing an order and Inquiry letter

*Following activities to be performed according to Roll no.

Roll No. 1 to6

1. Make a project file on John Berryman

2.Prepare a chart on TENSES and its uses.

Roll No. 7 to12

1. Prepare a chart on MODALS with their usages.
2. Make a project file on Anne Frank

Roll No. 13to18

- 1.Prepare a project file on Andrienne Rich
- 4.Prepare a beautiful chart on Determiners and their usage.

Roll No. 19 to24

- 1.Make a project file on Carl Sandburg
2. Prepare a beautiful poster of tiger showing the comparison of a tiger who is caged and who is free in forest .

Roll No. 25to31

- 1.Make a project file on Gavin Maxwell
- 2.Create beautiful flash cards on animals mentioned in the poem HOW TO TELL WILD ANIMALS by using dot method .

Home Assignment questions(Do in grammar note book) :

Presence of mind and intelligence are more powerful than gun. How far is it true in the case of Aesop.

You are Vipul/Apoorva, living at D-424, Island Avenue, Ernakulam. You have seen an advertisement about a diploma course in the French language soon to be organized by Maxwell Institute of Languages, Fort Road, Kochi. Write a letter in 100-150 words to the advertiser seeking all the relevant information like admission procedure, fee structure, duration of the course, the timing of the class, transport facilities etc.

You are Rama, a student of class 10 at Pavan vidya niketan, Delhi and reside at 110/4, Rohini, Delhi. You require school text books, notebooks and stationery items. As you are unwell, place an order for home delivery with the school approved book seller , Gian pustak bhandar, Rohini.111, Nehru Place, New Delhi.

The Computer Hub, Chanakyapuri, New Delhi has advertised a discount of 20% on all types of computers and related hardware. You are Rahul, owner of Softpoint Innovations, 110- 111, Nehru Place, New Delhi. Place an order for suitable items for your company.

What is the underlying message for us about our hectic life in the poem , Fire and Ice.

You are the Secretary of Students Council of your school .You are organising an excursion to Manali. Write a letter to the Director to Tourism Departments , Manali ,asking to supply the information on the terms and conditions of conducting excursion .

Write an analytical paragraph on Nelson Mandela and explain how he stood against apartheid system .

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Revise July UT Syllabus:- chapter-3,4,5,7and 8

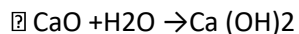
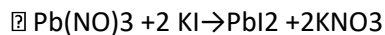
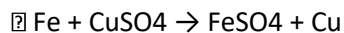
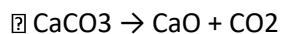
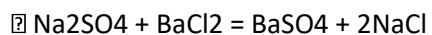
Subject Science

Solve them in separate notebook

Assignment 1

CHEMICAL REACTIONS AND EQUATIONS

1. How is exothermic reaction different from an endothermic reaction?
2. Explain four different types of chemical reaction with suitable examples.
3. How do we balance a chemical equation?
4. Why are oil and fat containing food items flushed with nitrogen?
5. What is the difference between displacement and double displacement reaction? Give suitable chemical equations for the same.
6. Give two uses of quick lime.
7. What is electrolytic decomposition?
8. Identify the following type of reactions:-

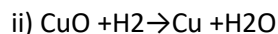
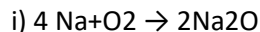


9. Define corrosion.

What is corrosion of iron called? How will you recognize the corrosion of silver? Why corrosion of iron is a serious problem? How can we prevent corrosion of iron?

Q10. Write one equation each for decomposition reactions where energy is supplied in the form of light, heat and electricity .

Q11.. Identify the substances that are oxidized and the substances that are reduced in the following reactions:



Q12.. What happens chemically when quicklime is added to water filled in a bucket?

Q13. Give reason : Magnesium ribbon is to be cleaned before burning in air.

Q14. What is redox reaction? Explain with example.

Q 15. What happens when a strip of zinc is dipped into a solution of copper sulphate? Write the balanced chemical equation of the reaction.

Q 16. A metal 'X' acquires a green colour coating on its surface on exposure to air

a) Identify the metal and name the process responsible for this change. b) Give the name and formula of the green coating formed on the metal.

Assignment 2

Life processes

1. Name the following

(a) The process in plants that links light energy with chemical energy

(b) Organisms that can prepare their own food

(c) The cell organelle where photosynthesis occurs

(d) Cells that surround a stomatal pore

(e) Organisms that cannot prepare their own food

(f) An enzyme secreted from gastric glands in stomach that acts on proteins.

2. "All plants give out oxygen during day and carbon dioxide during night". Do you agree with this statement? Give reason.

3. How do the guard cells regulate opening and closing of stomatal pores?

4. Two green plants are kept separately in oxygen free containers, one in the dark and the

other in continuous light. Which one will live longer? Give reasons.

5. If a plant is releasing carbon dioxide and taking in oxygen during the day, does it mean that there is no photosynthesis occurring? Justify your answer.

6. Why do fishes die when taken out of water?

7. Differentiate between an autotroph and a heterotroph.

8. Is 'nutrition' a necessity for an organism? Discuss.

9. What would happen if green plants disappear from earth?

10. Leaves of a healthy potted plant were coated with vaseline. Will this plant remain healthy for long? Give reasons for your answer.

11. How does aerobic respiration differ from anaerobic respiration?

12. Match the following:

Column (A)

(a) Phloem

(b) Nephron

(c) Veins

(d) Platelets

Column (B)

(O) Excretion

(in) Translocation of food

(ill) Clotting of blood

(iv) Deoxygenated blood

13. Differentiate between an artery and a vein.

14. What are the adaptations of leaf for photosynthesis?

15. Why is small intestine in herbivores longer than in carnivores?

16. What will happen if mucus is not secreted by the gastric glands?

17. What is the significance of emulsification of fats?
18. What causes movement of food inside the alimentary canal?
19. Why does absorption of digested food occur mainly in the small intestine?
20. Match Group (A) with Group (B)

Group (A)

Group (B)

- (a) Autotrophic nutrition
- (b) Heterotrophic nutrition
- (c) Parasitic nutrition
- (d) Digestion in food vacuoles
- (0) Leech
- (Paramecium
- (iii) Deer
- (iv) Green plant

21. Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms?
22. Why is blood circulation in human heart called double circulation?
23. What is the advantage of having four chambered heart?
24. Mention the major events during photosynthesis.

Assignment 3

Light Reflection and Refraction

1. Identify the device used as a spherical mirror or lens in following cases, when the image formed is virtual and erect in each case.
 - (a) Object is placed between device and its focus, image formed is enlarged and behind

(b) Object is placed between the focus and device, image formed is enlarged and on the same side as that of the object.

(c) Object is placed between infinity and device, image formed is diminished and between focus and optical centre on the same side as that of the object.

(d) Object is placed between infinity and device, image formed is diminished and between pole and focus, behind it.

2. Why does a light ray incident on a rectangular glass slab immersed in any medium emerges parallel to itself? Explain using a diagram.

3. A pencil when dipped in water in a glass tumbler appears to be bent at the interface of air and water. Will the pencil appear to be bent to the same extent, if instead of water we use liquids like, kerosene or turpentine. Support your answer with reason.

4. How is the refractive index of a medium related to the speed of light? Obtain an expression for refractive index of a medium with respect to another in terms of speed of light in these two media?

5. Refractive index of diamond with respect to glass is 1.6 and absolute refractive index of glass is 1.5. Find out the absolute refractive index of diamond.

6. A convex lens of focal length 20 cm can produce a magnified virtual as well as real image. Is this a correct statement? If yes, where shall the object be placed in each case for obtaining these images?

7. Sudha finds out that the sharp image of the window pane of her science laboratory is formed at a distance of 15 cm from the lens. She now tries to focus the building visible to her outside the window instead of the window pane without disturbing the lens. In which direction will she move the screen to obtain a sharp image of the building? What is the approximate focal length of this lens?

8. How are power and focal length of a lens related? You are provided with two lenses of focal length 20 cm and 40 cm respectively. Which lens will you use to obtain more

convergent light?

9. Under what condition in an arrangement of two plane mirrors, incident ray and reflected ray will always be parallel to each other, whatever may be angle of incidence. Show the same with the help of diagram.

10. Draw a ray diagram showing the path of rays of light when it enters with oblique incidence

(i) from air into water:

(ii) from water into air

Long Answer Type Questions

1. Draw ray diagrams showing the image formation by a concave mirror when an object is placed

- (a) between pole and focus of the mirror
- (b) between focus and centre of curvature of the mirror
- (c) at centre of curvature of the mirror
- (d) a little beyond centre of curvature of the mirror
- (e) at infinity

2. Draw ray diagrams showing the image formation by a convex lens when an object is placed

- (a) between optical centre and focus of the lens
- (b) between focus and twice the focal length of the lens
- (c) at twice the focal length of the lens
- (d) at infinity
- (e) at the focus of the lens

3. Draw ray diagrams showing the image formation by a concave lens when an object is placed

(a) at the focus of the lens

(b) between focus and twice the focal length of the lens

(c) beyond twice the focal length of the lens

4. Draw ray diagrams showing the image formation by a convex mirror when an object is placed

(a) at infinity

(b) at finite distance from the mirror

5. The image of a candle flame formed by a lens is obtained on a screen placed on the other side of the lens. If the image is three times the size of the flame and the distance between lens and image is 80 cm, at what distance should the candle be placed from the lens?

What is the nature of the image at a distance of 80 cm and the lens?

Assignment 4

1. With the help of an example explain what happens when a base reacts with a non-metallic oxide. What do you infer about the nature of non-metal oxide?

2. What is observed when carbon dioxide gas is passed through lime water

(i) for a short duration?

(ii) for a long duration? Also write the chemical equations for the reactions involved.

3. Write the names of the product formed when zinc reacts with NaOH. Also write the balanced chemical equation for the reaction involved. Write a test to confirm the presence of the gas evolved during this reaction.

4. To a solution of sodium hydroxide in a test tube, two drops of phenolphthalein are added.

(i) State the colour change observed.

(ii) If dil HCl is added dropwise to the solution, what will be the colour change?

(iii) On adding few drops of NaOH solution to the above mixture the colour of the solution reappears. Why?

5. A cloth's strip dipped in onion juice is used for testing a liquid 'X'. The liquid 'X' changes its odour. Which type of an indicator is onion juice? The liquid 'X' turns blue litmus red. List the observations the liquid 'X' will show on reacting with the following :

(a) Zinc granules

(b) Solid sodium carbonate

Write the chemical equations for the reactions involved.

6. (a) Write the chemical name and formula of marble.

(b) It has been found that marbles of Taj are getting corroded due to development of industrial areas around it. Explain this fact giving a chemical equation.

(c) (i) What happens when CO₂ is passed through lime water?

(ii) What happens when CO₂ is passed in excess through lime?

7. Complete and balance the following chemical equations :

(i) $\text{NaOH(aq)} + \text{Zn(s)} \rightarrow$

(ii) $\text{CaCO}_3\text{(s)} + \text{H}_2\text{O(l)} + \text{CO}_2\text{(g)} \rightarrow$

(iii) $\text{HCl(aq)} + \text{H}_2\text{O(l)} \rightarrow$

8. How the following substances will dissociate to produce ions in their solutions?

(i) Hydrochloric acid

(ii) Nitric acid

(iii) Sulphuric acid

(iv) Sodium hydroxide

(v) Potassium hydroxide

(vi) Magnesium hydroxide

9. Sugandha prepares HCl gas in her school laboratory using certain chemicals. She puts both dry and wet blue litmus papers in contact with the gas.

(i) Name the reagents used by Sugandha to prepare HCl gas.

(ii) State the colour changes observed with the dry and wet blue litmus papers.

(iii) Show the formation of ions when HCl gas combines with water.

10. An aqueous solution 'A' turns phenolphthalein solution pink. On addition of an aqueous solution 'B' to 'A' the pink colour disappears. The following statement is true for solution 'A' and 'B':

- (a) A is strongly basic and B is a weak base.
- (b) A is strongly acidic and B is a weak acid.
- (c) A has pH greater than 7 and B has pH less than 7.
- (d) A has pH less than 7 and B has pH greater than 7.

Unit Test syllabus

Chapter 2 Acids Bases and salts

Chapter 6 Life processes

Chapter 10 Light

SOCIAL SCIENCE

*Revise following chapters for Unit Test of July month:

History - ch- Nationalism in India

Geography -ch- Resource and Development

Civics - ch- Federalism

Economics - ch- Sectors of Indian economy & ch- Money and Credit

Activities to be performed according to roll number:

Roll NO. 1-5

Make a Project on Bretton wood system

Make a model on differential goals of different persons.

ROLL NO. 6-10

Make a poster on --"Green Revolution and White Revolution.

Make a Project on Consumer Right

ROLL NO. 11-15

Make a poster/model on Jalliwalla Bagh Incident

Prepare a project on Tourism as a Trade.

ROLL NO 16-20

Make a chart on different forms of mode of Transaction

Make a project on Age of Industrilisation.

ROLL NO. 21-25

Prepare a project on -Project Tiger.

Make a poster on lifelines of Indian economy.

ROLL NO. 26-31

Draft a chart tabulation on Loan acitivities

Make a project on WTO.

Do Assignment given below .

- 1.Banks are an efficient medium of exchange. Support the statement with argument.
- 2.Illustrate with examples the role of loan in business.
- 3.Review any three merits and two demerits of formal sector of credit in India.
- 4..Why a large number of workers are forced to enter unorganized sector?
- 5..Explain the role of human beings in the development of a resource.
- 6..What do you know about Natesa Sastri?
- 7.Why did Muslims feel alienated from Congress during the Civil Disobedience Movement?
- 8.Who produced visual images for the manuscripts in India?
- 9.What was Portuguese influence on printing?

10. What is the rational decentralization of power sharing?

Information Technology

Learn unit -1(Digital documentation) full