

Homework for Summer Vacation (2025-26)

General Instructions:

- Activities / Project work should be done as per the instructions.
 Given subject wise. (Use A3/A4 size sheets for activities)
- > Holiday Homework will be assessed as Subject Enrichment Activity (SEA). Make sure that you complete the assigned Holiday Homework and submit it on time.
- Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- > Holiday Homework should be submitted by 3rd July 2025. It must be labelled properly with the name, class and roll number of the child.
- ➤ Originality of the work will be appreciated.
- Encourage your ward to converse in English as a regular practice during holidays to enhance communication.

NOTICE FOR SUMMER VACATION

(For IX - XII)

- 1: Summer Holidays: 25/05/2025 to 15/06/2025
- 2: School Re- opens: 16/06/2025 (Monday)
- 3: Timing on 16/06/2025: 8:10 am to 12:40 PM
- 4: 1st PTM: On 25/05/2025(Sunday)

Timing: 9:00 am to 12:00 noon

5: - Completing Holiday Home work is mandatory for all students.



RADHIKA SR. SECONDARY SCHOOL

Karwal-Majhgawan, Gagaha, Gorakhpur-273411

CBSE Board | Co-educational | English Medium | Nursery- XII

Class – X

| Subject | Contents |
|-------------------------|---|
| Hindi | (1) 'सूरदास के पद', `नेताजी का चश्मा' और 'माता का अंचल' पाठ का सारांश लिखें (2) किन्ही दो विषयों पर अनुच्छेद लिखें (3) एक औपचारिक तथा एक अनऔपचारिक पत्र लिखें # ये सभी कार्य A4 आकार के पृष्ठ पर लिख कर पारदर्शी फाइल में रचनात्मकता के साथ संलग्न करें। |
| English | Note: Read the following Stories/Poems and write any four.1. About the Writer2. Introduction of the story/poem3. Summary4. Theme/ Message5. Character Analysis6. Literary Devices usedNote: Write Any three.1. A Letter to God2. Nelson Mandela3. Trump of Surgery4. A Thief's Story5. Dust of Snow6. Fire and Ice7. A Tiger in the Zoo4. A Thief's Story |
| Mathematics | A. Write on a chart paper. (1) Fundamental theorem of arithmetic. (2). Definition of LCM and HCF, (3) Relation between zeros and coefficients of quadratic polynomial, (4). Algebraic conditions for different types of pair of linear equations of two variables with example. 2.Prove that √5, √3, 2+3√3 and 3-2√5 is irrational number. (H.W. Copy) 3. Solve. (by Graphical method and by Substitution method both) (i) X+Y=14 and X-Y=4 (ii) 3X-5Y-2 and X+Y=13 (H.W. Copy) 4.If Sum of zeros of quadratic polynomial x²-kx+4 is 2. Find k. (H.W. Copy) |
| Social Science | I. Geography Draw a map of India on a chart paper (Full size) and show the following items in that map. 1 Soils of India a- A major black soil region b- Alluvial soil c- Laterite soil d- Arid soil e- Red and Yellow soil. 2 National Parks of India a- Jim Corbett National park. b- Sundarban National park. c- Bandhavgarh N. park. d- Manas Tiger reserves e- Kaziranga N. park. f- Sariska Wildlife sanctuary. 3 Prepare a project file on the topic, "Consumer Rights in India". 4 Complete the home work copy. (Chap - 1 of Geography, Civics, and Economics.) |
| Computer Application | Q.1. The internet is a series of interconnected computer throughout the world. (A) Name one of the services that is offered on the Internet. (B) When using the World Wide Web, a user type in the web address of a page they wish to look at. Suggest one other way that a user could go to a web page. Q.2. Give four disadvantages of using the Internet to purchase goods. Note: Make a transparent file and write the holiday homework on A4 size white paper. |

| CHEMISTRY | |
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| Instructions: | |
| Write all answers in your Chemistry notebook neatly | |
| Include proper chemical equations wherever required | |
| Chemistry Diagrams must be drawn with a pencil and labeled clearly | |
| Submission Dete: [20 June 2025] | |
| Charten 1: Charries Desetions and Equations | |
| Chapter 1: Chemical Reactions and Equations | |
| 1. worksneet: | 1 |
| a) Define a chemical reaction. Mention any 3 signs that show a chemical reaction | on has |
| Occurred. | |
| b) write balanced chemical equations for the following: | -11 |
| 1) Magnesium burns in air. 1) Zinc reacts with hydrochioric a | 1010. |
| 111) Decomposition of lead nitrate. | |
| 2. Practice: | |
| a) Balance the following equations: | |
| $Fe + H_2O \rightarrow Fe_3O_4 + H_2$ | |
| $AI + HCI \rightarrow AICI_3 + H_2$ | |
| 3. Research Activity: | |
| Collect 3 examples of exothermic and endothermic reactions from daily life. M | ention |
| whether each is a physical or chemical change. | |
| Chapter 2: Acids, Bases and Salts | |
| 4. Short Questions: | |
| a) What is an indicator? Name two natural indicators. | |
| b) Explain how you would test a substance to know whether it is acidic or bas | sic. |
| c) Why does distilled water not conduct electricity, whereas rainwater does? | |
| 5. Concept Application: | |
| a) Write chemical equations to show the reaction of: | |
| Science i) HCl with NaOH ii) Baking soda with acetic acid | |
| b) What are the uses of baking soda and washing soda? | |
| 6. Lab Activity (Home-Based): Perform a test using turmeric to check acidic/ba | asic nature of |
| lemon juice, soap water, and baking soda. Record your observations. | |
| Duriest Work | |
| *"A side and Desses in the Viteber" * | |
| Actus and Bases in the Kitchen $-\infty$ | |
| Prepare a $1-2$ page report of chart showing common nousehold nems that are a | cluic of basic |
| in nature, and now they are used in daily life (cleaning, cooking, etc.). | |
| BIOLOGY | |
| 1. Solve NCERT exampler problem on nutrition and digestion in class work co | py. |
| 2. Solve cased based question on importance of life processes on physical and r | nental |
| growth in classwork copy. | |
| 3. How Amoeba obtain its nutrition explain with example in class work copy. | |
| 4. Draw a well labelled diagram of human digestive system in classwork copy. | |
| 5. Explain the mechanism behind opening and closing of stomata with labelled | diagram in |
| classwork copy. | |
| 6. Project make 3D model of human heart and LS of kidney. | |
| PHYSICS | |
| (1) Draw all the Image formed by Convex & Concave mirror on chart Paper. | |
| (2) Draw all the Image formed by convex and concave lens on chart Paper. | |
| (3) Write the difference between Real & Virtual Image in your notebook. | |
| (4) Define the following terms in a mirror and write in your notebook. | |
| (i) Principal axis (ii) radius of Curvature. | |
| (iii)Centre of Curvature. (iv)Focus (v)Pole. | |
| (vi)Aperture. (vii) focal length. | |
| (5) When a light Passes through a rectangular glass Slab then show that Incide | nt ray & |
| emergent ray are Parallel to each other (Write in your notebook). | |
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