

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

SUMMER ASSIGNMENT

1. Answer the following questions

(a) Find the square roots of each of the following, using Prime Factorisation method:

(i) 2025

(ii) 4096

(iii) 7056

(iv) 81000

(b) Find the value of each of the following, using the long-division method:

(i) $\sqrt{7056}$

(ii) $\sqrt{10404}$

(iii) $\sqrt{11449}$

(iv) $\sqrt{14161}$

(c) Find the square root of $1\frac{56}{169}$.

(d) Evaluate $\sqrt{0.2809}$

(e) Evaluate $\sqrt{3}$ correct up to two places of decimal.

(f) Evaluate $\sqrt{11236}$ by long division method.

(g) Evaluate $\frac{\sqrt{48}}{\sqrt{243}}$

(h) Find the greatest number of five digits which is a perfect square. What is the square root of this number ?

(k) Find the least number of four digits which is a perfect square. What is the square root of this number ?

2. Do the activity No. in Maths Lab Mannual

- To verify that the diagonals of rectangles and squares are equal. (Activity. No 5)
- To observe the patterns of the numbers and generate it up to next 3 steps. (Activity No 6)
- To verify the algebraic identities by paper cutting and pasting $(a+b)^2 = a^2 + b^2 + 2ab$. (Activity No 7)

GURU GOBIND SINGH PUBLIC SCHOOL CHAS

SUMMER HOLIDAY ASSIGNMENT : STD-8

PHYSICS

(SESSION : 2024-25)

General Instruction:

- ✓ Complete the assignment in a separate thin notebook.
- ✓ Neatness and Handwriting must be up to the mark.
- ✓ Write questions and answers both in the notebook.

Q-1 Solve all the MCQs of ch-9 (FORCE AND PRESSURE) in the notebook in proper format.(Write questions of mcq and respective four options,then put a tick mark ✓ on the correct option.)

Q-2 Define Atmospheric pressure. What is the cause of atmospheric pressure ? Write an activity (with diagram) to explain that

- I. AIR EXERTS PRESSURE.
- II. LIQUID PRESSURE INCREASES WITH DEPTH.

Q-3 Mention Five effects of force. Paste or draw pictures in support of your Answer.

Q-4 Give Reason for the following:

- I. Dams are made broader at the base.
- II. Astronauts wear pressurized suits.
- III. School bags have broader stripes.
- IV. A Sharp knife cuts the objects more easily than a blunt knife.
- V. Mountaineers often suffer from nose bleeding at higher altitudes.

Q-5 Give ONE WORD For the following:

- a) Liquids and gases together.
- b) Device used to measure atmospheric pressure.
- c) Device used to measure weight of the object.
- d) SI unit of force
- e) Force per unit area

Q-6 Name the scientist and paste his picture, who has invented force of gravity.Hence define GRAVITATIONAL FORCE and write two examples of it.

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

SESSION: 2024-2025

SUMMER HOLIDAY ASSIGNMENT

Class: VIII

Subject: Computer

(1) Read the chapter 1 twice and learn the exercises.

All works should be done in Computer Copy

- a) Write the about components of AI. (Draw component)
- b) Write Application of AI in daily life in different sector and attach appropriate picture.
- c) Write about the 17 Sustainable Development Goals and their challenge and Solution.

Note: You can take the reference from Page No. 8, 10, 27



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Holiday homework

Sub- chemistry. Cass - VIII

1.The metal X react with dilute Hcl to form a gas Y .The metal X also react with NaOH solution (on heating) to form the same gas Y . When a lighted matchstick is applied, this gas burns by producing a 'pop' sound.

a. Name two metal which could behave like X .

b. Name the gas Y.

2.What happens when sulphur dioxide is dissolved in water? .Write a word equation for the reaction which takes place.

3.How do metal react with dilute acid? Explain with the help of an example.

4.Can you store lemon pickle in an aluminium utensil explain.

5.What are non metal ?Name five non metal.

6.State five use of metal and five use of non metal.

7.Why are metal used for making bells.

8.why is phosphorus kept underwater.

9.What are metalloid ? Name two metalloid .

10.Give reason for the following.

(1) Sodium and potassium are stored in kerosene.

(ii) Copper metal is used for making electric wires.

Guru Gobind Singh Public School, Chas, Bokaro .

Class VIII

Summer vacation assignment.

- 1) Make a list of suggestions that we can use to protect our natural resources.
- 2) Collect the pictures of different resources that you use in your daily life. Paste these pictures in your scrapbook.
- 3) Name and list from your surroundings as many resources as you can find. Put them into three categories- Natural, Human -made and Human Resources.
- 4) Answer the following questions.
 - a. What is a reserve?
 - b. Why is conservation of resources necessary?
 - c. Distinguish between Potential and actual resources.
 - d. Write a short note on Types of Resources.
 - e. How are human needs satisfied by nature?
 - f. What do you mean by land resources? List the four land use.
5. Locate the following on physical world map.
 - A. Pacific Ocean
 - B. North Atlantic Ocean
 - C. Arctic Ocean
 - D. South Atlantic Ocean
 - E. Indian Ocean
 - F. Southern Ocean





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GURU GOBIND SINGH PUBLIC SCHOOL , CHAS .

SUMMER VACATION ASSIGNMENT (2024-25)

CLASS - VIII

SUBJECT : BIOLOGY

****NOTE :** Do all the works (point 1/2/3/5) in chart papers and staple all the sheets together. Make a front page and mention your details. Don't put the papers in any file .

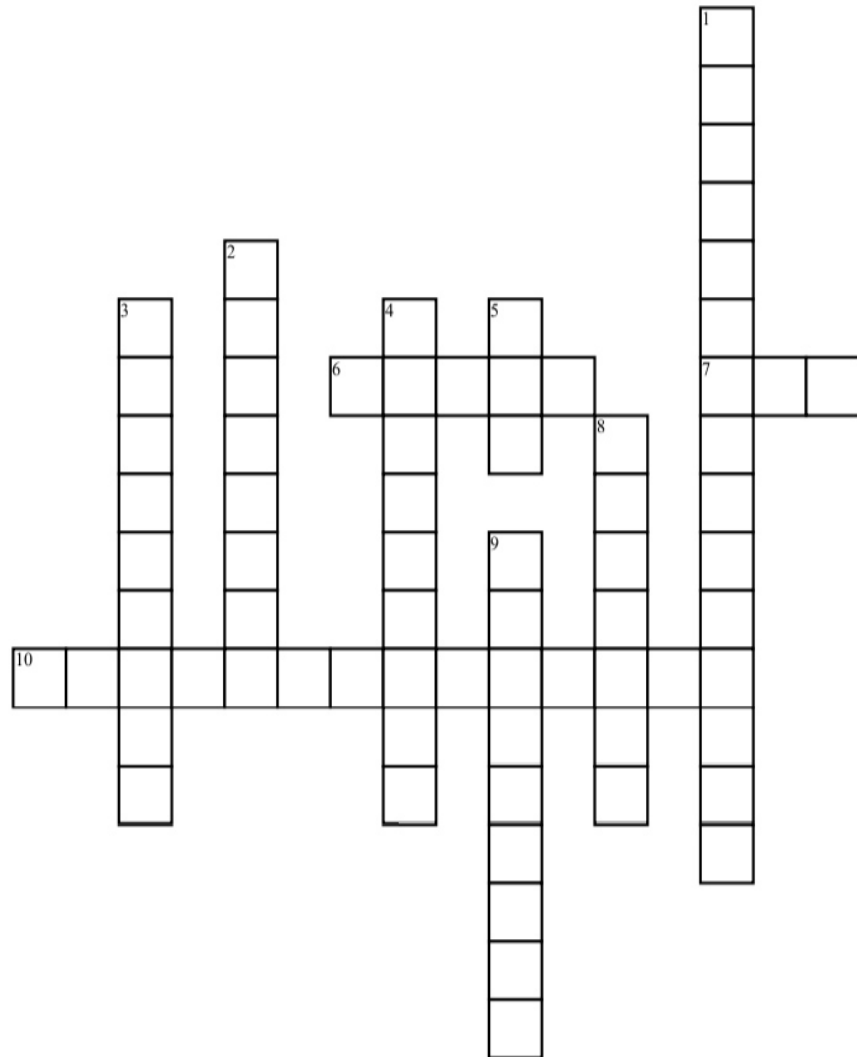
✿ Enjoy your summer break. Stay hydrated.Take care.

1. Prepare a list of all the agricultural implements used for different purposes in agricultural alongwith it's function. Paste pictures also.
2. Prepare a colourful poster to show the IMPORTANCE OF FARMERS IN OUR SOCIETY.
3. Draw and colour any one TRADITIONAL METHOD OF IRRIGATION.
4. Note down the Question Answers of chapter -01 and all the assignment sent to you and complete your classwork copy properly.
5. Take a print out of the of the CROSSWORD given below and solve it.



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Crop production and management



Across

6. large scale storage of grains are done here

7. A simple tool used for removing weeds and loosening of soil

10. a modern method of irrigation

Down

1. Rearing of animals are known as

2. an harvest festival

3. an nitrogen fixing bacteria

4. A process of separating grain from chaff

5. an instrument used for turning soil

8. a machine used for threshing

9. a traditional method of irrigation



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विषय: – संस्कृत वर्ग-अष्टम्

1. पाठ्यपुस्तक से पाठ-1 एवं पाठ-2 के शब्दार्थ और अभ्यास कार्य पूर्ण करके याद करें।
2. शब्दरूप (अस्मद् एवं युष्मद्) के रूप लिखकर याद करें।
3. धातु रूप(पठ्, खाद्, भू, नम् और गम्) धातु का धातुरूप लट्, लृट् और लङ् लकार में लिखकर याद करें।
4. परियोजना कार्य –अ संख्या 1-50 तक संस्कृत में संख्या लिखकर तालिका बनाएँ।
5. चित्र को देखकर मञ्जूषा की सहायता से संस्कृत में पाँच वाक्य लिखें।



मञ्जूषा – पठति, पुस्तकानि,
पुस्तकालयः, बालः, जनाः,
संस्कृत ग्रन्थाः, पठति, चन्दमामा

6. संवाद को पढ़कर मञ्जूषा की सहायता से वाक्य को पूरा करें।

1. सञ्ज्या = (1) किम् करोषि?
रक्ष्याः = अहम् मञ्जूषायाम् (2) रक्षामि
सञ्ज्या = (3) इदम् क्रीडनकम्?
रक्ष्याः = इदम् क्रीडनकम् (4) अस्ति। इदम् तु जनकस्य लघु दूरभाषयन्त्रम्
अस्ति। दूरात् अपि एतेन वयम् स्वजनैः सह (5) कर्तुम् समर्थाः।

कीदृशम्, त्वम्, नैव, क्रीडनकानि, वार्तालापम्

हिन्दी पाठ्य पुस्तक :

(1) प्रथम आवधिक परीक्षा हेतु पाठ 1 से 3 तक के प्रश्नोत्तरों का अभ्यास करें।

व्याकरण :

(2) प्रथम आवधिक परीक्षा हेतु व्याकरण की पुस्तक में पाठ संख्या 1 के प्रश्नोत्तरों का अभ्यास करें।

(3) संज्ञा, सर्वनाम और कारक की परिभाषा उसके भेदों की परिभाषा उदाहरण सहित व्याकरण की कॉपी में लिखकर अभ्यास करें।

(4) लिंग बदलकर लिखें-(7 से 11) (व्याकरण की कॉपी में)

(5) वचन बदलकर लिखें-(5 से 8) (व्याकरण की कॉपी में)

(6) 'हमें भारतीय होने पर गर्व है'- यह वाक्य भारत की पांच भाषाओं में अपनी व्याकरण की कॉपी में लिखें।

(7) स्त्री से ऊपर तक- दिए गए संज्ञा शब्दों से भाववाचक संज्ञा शब्द बनाएं। (पृष्ठ संख्या 73 से 75) (व्याकरण की कॉपी में)

परियोजना कार्य:

(8) भारत की तीनों सेनाओं पर पांच -पांच वाक्य लिखकर उनके चित्र बनाएं। (चार्ट पेपर पर)

अथवा

घर के अनुपयोगी वस्तुओं की मदद से एक सुंदर -सा उपयोगी वस्तु तैयार करें ।

अथवा

अपने दैनिक क्रिया-कलापों को डायरी लेखन के माध्यम से प्रस्तुत करें। (एक पतली सी कॉपी में)

निर्देश :

उपर्युक्त सभी कार्यों को निर्देशों के अनुसार स्वच्छता, सुव्यवस्थित तरीके से प्रस्तुत करने तथा रचनात्मकता पर विशेष रूप से ध्यान रखा जाना चाहिए।

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

SUMMER ASSIGNMENT

STD: VIII

SESSION-2024-25

Subject- English

1. Set some personal goals to accomplish this school or calendar year and use the goals as a home screen of your mobile phone.



2. Create your own cartoon about the current events such as vote casting or election.

3. Make a poster of classroom constitution.

4. Create a new book cover for the stories which you read.

5. Create a vision board to represent what it will look and feel like when you reach your goals.



6. Create and send a thank you card to someone for a gift (material) or friendship and support (immaterial) through a print message or a digital message.

7. Celebrate a person of significance.

Choose one person you feel should be the person of the year, and explain why you chose that person and what qualities and traits make them an outstanding contributor to the society.

8. Learn the word meaning and Questions/Answers of (Course book)

Unit: 1 "Human Bonds"

1. My Big Brother
2. Thank You Ma'am
3. It Was Long Ago

9. Complete the exercises of (Grammar book)

✕ Ch- 14 "Adverbs" Page- 129 to 135

✕ Ch-15 "Prepositions" Page- 136 to 144

Summer Vacation Homework

Class VIII.

Subject:- History/Civics

Section:- A (Activity Based)

1. Collect pictures, stories, poems and information about any of the following – the Rani of Jhansi, Chatrapati Shivaji, Tipu Sultan, Maharaja Ranjit Singh , Maharana Pratap or any other contemporary ruler of your region. And Write and Paste in Your Notebook.
2. On the Outline Map of the World Locate the Following European Countries:-
(a)Portugal (b) Netherlands (c) UK (d) France (e) Denmark
3. Prepare the List of All the Fundamental Rights (according to Articles related to Fundamental Rights).
4. Write a Short Note and Paste the Picture of ONE :--
(a) Freedom Fighter
(b) Social Reformer
5. Write all the Fundamental Duties.

Section- B (Question-Answer Based)

1. What are the Sources of History?
2. Why did the British preserve official documents?
3. Why Survey becomes so important Source for Knowing History?
4. What attracted European trading companies to India?
5. What were the areas of conflict between the Bengal nawabs and the East India Company?
6. Why do we need a Constitution?
7. What are the Features of Indian Constitution



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8. Describe the Contribution of B.R. Ambedkar.



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