

KENDRIYA VIDYALAYA CHAMPHAI

HOLIDAY HOMEWORK (SUMMER VACATION) 2023-24

CLASS-VI

ENGLISH

Q1) Story writing - Write 3 stories on-

- i) The thirsty crow ii) Greedy dog iii) Fox and the crow.

Q2) Paragraph writing- Write a short paragraph on following topics each

- i) My pet iii) Importance of education iv) Save water Save life.

Q3) Write 2 new words daily. Find out their meanings and write a sentence using that word.

Q4) Make List of the following under Grammar Task

- 20 Nouns 20 Adjectives 20 Verbs 20 Adverbs

Q5) Questions and answers on G-20.

HINDI

1. पाठ - (वह चिड़िया जो, बचपन) से प्रश्न अभ्यास हल करना और याद करना है ।
2. औपचारिक पत्र के तीन उदाहरण लिखने व प्रारूप समझना है ।
3. विशेषण के प्रकारों के पांच-पांच उदाहरण लिखने है ।
4. जल संरक्षण पर प्रोजेक्ट तैयार कीजिए ।

SOCIAL SCIENCE

- 1- Revise following chapters and their exercise completed till now:
What, Where, How and When, From gathering to growing food, The earth in the solar system, Understanding Diversity.
- 2- Prepare a map of India showing all our neighboring countries in different colors with their name and capital.
- 3- Prepare a map of India with name of all the States and their Capitals.
- 4- Prepare a Chart taking reference from your geography book.

MATHEMATICS

1. The capacity of a water tank is 300 litres. Express its capacity in millilitres.
2. Using distributive property, solve the following:
(a) 360×102 . (b) 35×98
3. Three tankers contain 403 litres, 434 litres and 465 litres of diesel respectively. Find the maximum capacity of a container that can measure the diesel of the three containers exact number of times.
4. Find the LCM of the following numbers :
(a) 9 and 4 (b) 12 and 5 (c) 6 and 5
5. Find the prime factorisation of 980.

SCIENCE

1. Draw the picture of plant showing different parts of the plant.
2. Draw the picture of the sources of
 - a) Carbohydrates
 - b) Fats
 - c) Proteins
3. Draw or print at least 10 different food items on paper, paste it on chart paper and name each food items.
4. Prepare a table/list of at least 10 food items with their ingredients and sources.
5. Explain
 - a) Herbivores, Carnivores and Omnivores
 - b) Deficiency diseases. Prepare a table of different diseases caused by deficiency of vitamins and minerals.

संस्कृत

शब्द परिचय - 1 और 2 के शब्दार्थ लिखने व याद करने है ।

ART EDUCATION

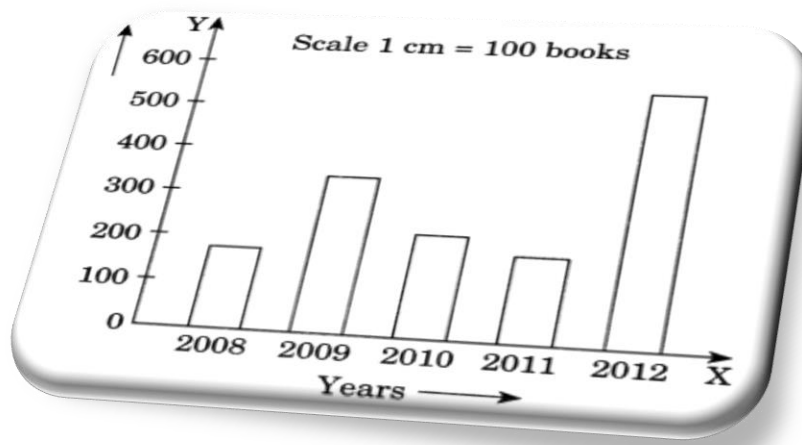
DRAW AN IMAGE OF ANY ANIMAL AND DO PENCIL SHADING.

4. The weight of an object on the Moon is $\frac{1}{6}$ its weight on the Earth. If an object weight $5\frac{3}{5}$ kg on the Earth. How much would it weight on the Moon?

5. The following bar graph shows the number of books sold by a publisher during the five consecutive years.

Read the bar graph and answer the following questions:

- (i) About how many books were sold in 2008, 2009 and 2012 years?
- (ii) In which years were 575 books were sold?
- (iii) In which years were the minimum number of books sold?



SCIENCE

1. Draw the labeled diagram of Human Digestive System and digestive system of ruminant.
2. Draw the picture of Pitcher plant showing different part.
3. Explain
 - a) Photosynthesis
 - b) Saprotrophic nutrition
 - c) Symbiotic relationship
 - d) Lichen
 - e) Function of Stomach and Small Intestine
 - f) How tooth decay happen
 - g) How the working of the stomach discovered

SST

- 1- Revise following chapters and their exercise completed till now:
Environment, Tracing Changes through a Thousand Years, On Equality, Inside our Earth.
- 2- Prepare a map of India showing all our neighboring countries in different colors with their name and capital.
- 3- Prepare a map of India with name of all the States and their Capitals.
- 4- Prepare a Chart taking reference from your geography book.

ART EDUCATION

1. DRAW ONE LANDSCAPE BY USING PRESPECTIVE METHOD AND COLOR IT.

KENDRIYA VIDYALAYA CHAMPHAI
SUMMER VACATIONS: HOLIDAY HOMEWORK
CLASS 8th

Hindi:

1. पाठ - (लाख की चूड़ियाँ, बस की यात्रा, अहमदनगर का किला) से प्रश्न अभ्यास हल करना और याद करना है ।
2. औपचारिक व अनौपचारिक पत्र के दो-दो उदाहरण लिखने व प्रारूप समझना है ।
3. विशेषण के प्रकारों के पांच-पांच उदाहरण लिखने है ।
4. जल संरक्षण पर प्रोजेक्ट तैयार कीजिए ।

English:

Q1- Write articles on following topics.

- | | | |
|---|-----------------------|--------------------|
| i) Internet: connecting and dividing people | ii) Unity is strength | iii) Value of Time |
|---|-----------------------|--------------------|

Q2- Write the following items.

- | | |
|---|---|
| - 20 good thoughts with meaning sentence | -20 New words with meaning and - 20 book and author's name |
|---|---|

Q3) Write the followings.

- | | |
|--------------------------------|---------------------------------------|
| - 20 antonyms (opposite words) | - 20 synonyms (similar meaning words) |
|--------------------------------|---------------------------------------|

Q4) Do reading practice daily, underline important words and learn spellings

Q5) Questions and answers on G-20.

Mathematics:

1. Solve the following equations:

- | | | | |
|-------------------|------------------|-----------------------|--------------------|
| (i) $x - 2 = 7$. | (ii) $2x = 14$. | (iii) $9x = 18 - 5$. | (iv) $17 + 6p = 9$ |
|-------------------|------------------|-----------------------|--------------------|

2. Find a Rational Numbers between $\frac{1}{2}$ and $\frac{2}{5}$.

3. What is the additive identity of :

(i) 5.

(ii) -10.

(iii) 8.

(iv) 0

4. Using appropriate properties find:

(i) $-\frac{2}{3} \times \frac{3}{5} + \frac{5}{2} - \frac{3}{5} \times \frac{1}{6}$

(ii) $\frac{2}{5} \times (-\frac{3}{7}) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$

5. Find the prime factorisation of 960.

Science:

1. Draw the picture of modern methods of irrigation a) Sprinkler system b) Drip system
2. Draw the picture of different microorganisms i) Bacteria: Spiral and Rod shape ii) Algae: Chlamydomonas iii) Protozoa: Amoeba iv) Fungi: Bread mould and Penicillium v) Virus
3. Prepare a table of difference between Fertiliser and Manure.
4. Prepare a table of common human disease and common plant disease caused by microorganisms.
5. What are the basic practices of crop production? Explain
6. What are the advantages of manure?
7. What do you mean by Communicable Diseases? Give example
8. What are the different methods of Food Preservation? Explain
9. Draw the diagram of Nitrogen Cycle.
10. What do you mean by antibiotics? 11. What are the two types of crop found in India? Explain with example

SOCIAL SCIENCE

- 1- Revise following chapters and their exercise completed till now:
Resources, The Indian Constitution, How, When and where.
- 2- Prepare a map of India showing all our neighboring countries in different colors with their name and capital.

3- Prepare a map of India with name of all the States and their Capitals.

4- Prepare a Chart taking reference from your geography or civics book.

संस्कृत

'सुभाषितानि' पाठ से सभी श्लोकों के भावार्थ प्रश्न अभ्यास सहित लिखने व याद करने हैं ।

ART EDUCATION

DRAW AN IMAGE OF ANY PLANT AND DO PENCIL SHADING.

KENDRIYA VIDYALAYA CHAMPHAI
SUMMER VACATIONS: HOLIDAY HOMEWORK
CLASS 9th

1.SUBJECT: SOCIAL SCIENCE

1- Prepare 20 objective (1 mark) questions each from these three chapters:

French Revolution.

India Size and Location.

What is democracy, Why democracy?

2- Do self-study of the following chapters?

Story of village Palampur.

Physical features of India.

Constitutional Design.

3- Draw and Label map of France from the chapter French Revolution (Page 9 of NCERT History book.)



4- Prepare a file on Disaster Management taking any one of the following topics:

1- Flood, 2- Drought, 3- Earthquake, 4- Industrial Accidents.

2.SUBJECT: ENGLISH

Q1- Write a short paragraph on following topics.

i) Failure is the stepping stone to success

ii) Charity begins at home

iii) Action speaks louder than words

iv) Forgiveness is the best revenge

Q2- Write the summary, introduction and literacy devices of all the poems.

Q3- Find two questions from the previous CBSE exam on diary writing and write the answers.

Q4- Read the upcoming chapters.

Q5) Questions and answers on G-20.

3.SUBJECT: SCIENCE

1. What are the characteristics of particles of matter? Explain.
2. Ice, water and steam are three states of a substance and not different substances. Justify?
3. How does the change of temperature and change of pressure affect the state of matter?
4. Why should we wear cotton clothes in summer?
5. The rate of evaporation of a liquid increase on heating. Explain.
6. Why evaporation is called surface phenomenon?
7. Why do wet clothes dry quickly in the sun than in the shade?
8. Explain interconversion of three states of matter with the help of flow chart. Name the process of each conversion? shade?
9. What are the main functions of each of the following components?
a) Plasma membrane b) Mitochondria c) Nucleus d) Ribosomes
10. Draw the picture of various cells from human body.

4.SUBJECT: MATHS

1. Write all the Polynomial/Algebraic Identities. Oral Test of this Identities will be conduct after Summer Vacation.
2. Draw $\sqrt{3}$ on number line.
3. Express 0.6666 in the form of p/q.
4. Determine the remainder when polynomial $p(x) = x^4 - 3x^2 + 2x - 5$ is divided by $x - 2$.
5. Without performing division check whether the following rational numbers will have a terminating decimal form or non-terminating repeating decimal form.

(i) $\frac{15}{12}$

(ii) $\frac{15}{1600}$

5.SUBJECT: HINDI

1. पाठ - (दो बैलों की कथा, लहासा की ओर, कबीर की साखियाँ व सबद) से प्रश्न अभ्यास हल करना और याद करना है ।
2. औपचारिक व अनौपचारिक पत्र के दो-दो उदाहरण लिखने व प्रारूप समझना है ।
3. उपसर्ग व प्रत्यय के प्रकारों के पांच-पांच उदाहरण लिखने है ।
4. बिहार राज्य से किसी एक कवि के जीवन पर प्रोजेक्ट बनाइए ।

KENDRIYA VIDYALAYA CHAMPHAI
SUMMER VACATIONS: HOLIDAY HOMEWORK
CLASS 10th

Hindi:

1. पाठ - (नेताजी का चश्मा, सूरदास के पद, राम-लक्ष्मण-परशुराम संवाद) दोनों से प्रश्न अभ्यास हल करना और याद करना है ।
2. औपचारिक व अनौपचारिक पत्र के दो-दो उदाहरण लिखने व प्रारूप समझना है ।
3. बिहार राज्य से किसी एक लेखक के जीवन पर प्रोजेक्ट बनाइए ।

English:

- 1) Write the summary of all chapters.
- 2) Write the characters, theme, value points, literary terms (Of the poems) of all the chapters.
- 3) Find five questions from the previous cbse exam on Analytical paragraph and write the answers.
- 4) Questions and answers on G-20.

Mathematics:

1. If HCF of “a” and “b” is 12 and product of these numbers is 1800. Then what is the LCM of these numbers?
2. Find a Quadratic Polynomial each with the given numbers as the sum and product of its zeroes respectively.

(i) $-\frac{1}{4}, \frac{1}{4}$

(ii) $\sqrt{2}, \frac{1}{3}$

3. The sum of the exponents of the Prime factors in the Prime Factorisation of 196 is ?

4. Which of the following is a Polynomial? Give Reason.

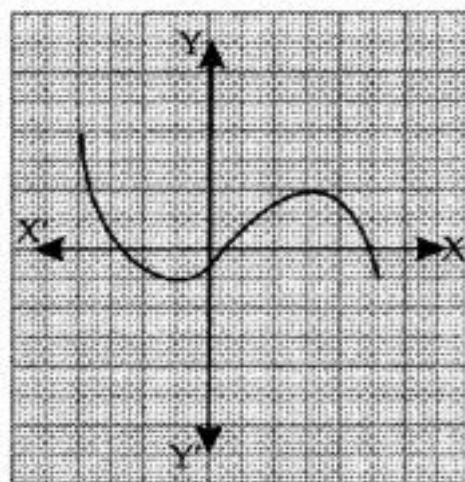
(A) $x^2 + \frac{1}{x}$

(B) $2x^2 - 3\sqrt{x} + 1$.

(C) $x^2 + x^{-2} + 7$.

(D) $3x^2 - 3x + 1$

5. The graph of $y = p(x)$ is shown in the figure below. How many zeroes does $p(x)$ have?



Science:

MULTIPLE CHOICE QUESTIONS

1. In the balanced equation - $a\text{Fe}_2\text{O}_3 + b\text{H}_2 \longrightarrow c\text{Fe} + d\text{H}_2\text{O}$ The value of a, b, c, d are respectively -

(A) 1,1,2,3 (B) 1,1,1,1 (C) 1,3,2,3 (D) 1,2,2,3

2. Which of the following reactions is not balanced

(A) $2\text{NaHCO}_3 \longrightarrow \text{Na}_2\text{CO}_3 + \text{H}_2\text{O} + \text{CO}_2$

(B) $2\text{C}_4\text{H}_{10} + 12\text{O}_2 \longrightarrow 8\text{CO}_2 + 10\text{H}_2\text{O}$

(C) $2\text{Al} + 6\text{H}_2\text{O} \longrightarrow 2\text{Al}(\text{OH})_3 + 3\text{H}_2$

(D) $4\text{NH}_3 + 5\text{O}_2 \longrightarrow 4\text{NO} + 6\text{H}_2\text{O}$

3. The equation - $\text{Cu} + x\text{HNO}_3 \rightarrow \text{Cu}(\text{NO}_3)_2 + y\text{NO}_2 + 2\text{H}_2\text{O}$ The values of x and y are-

(A) 3 and 5 (B) 8 and 6 (C) 4 and 2 (D) 7 and 1

4. Neutralization reaction is an example of -

(A) exothermic reaction (B) endothermic reaction (C) oxidation (D) none of these

5. Which of the following statements is/are true

(A) The total mass of the substance remains same in a chemical change.

(B) A chemical change is permanent and irreversible.

(C) A physical change is temporary and reversible.

(D) All of the above

6. Which of the following statements is correct

(A) A chemical equation tells us about the substances involved in a reaction.

(B) A chemical equation informs us about the symbols and formulae of the substances involved

in a reaction.

(C) A chemical equation tells us about the atoms or molecules of the reactants and products involved in a reaction.

(D) All are correct.

7. $\text{Zn(s)} + \text{H}_2\text{SO}_4\text{(aq)} \longrightarrow \text{ZnSO}_4\text{(aq)} + \text{H}_2\text{(g)}$ is an example of-

(A) precipitation reaction (B) endothermic reaction (C) evolution of gas (D) change in colour

8. When dilute hydrochloric acid is added to iron fillings -

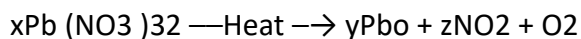
(A) hydrogen gas and ferric chloride are produced.

(B) chlorine gas and ferric hydroxide are produced.

(C) no reaction takes place.

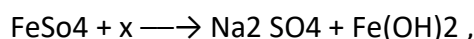
(D) iron salt and water are produced.

9. In the reaction



x, y and z are - (a) 1,1,2 (B) 2,2,4 (C) 1,2,4 (D) 4,2,2

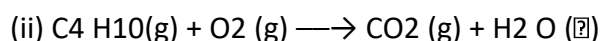
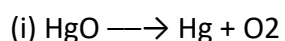
In the reaction



x is - (A) Na_2SO_4 (B) H_2SO_4 (C) NaOH (D) None of these

SUBJECTIVE QUESTION

1. Balance the following equations -



2. What are chemical equations? Give significance and limitations of chemical equations ?

3. What information do we get from a chemical equation ? Explain with the help of examples.

4. Write the balanced chemical equations for the following chemical reactions -

(i) Aqueous solution of sulphuric acid and sodium hydroxide reacts to form aqueous sodium sulphate and water.

(ii) Phosphorus burns in chlorine gas to form phosphorus pentachloride.

5. Write the balanced chemical equations for the following reactions -

(i) Zinc carbonate (s) \longrightarrow Zinc oxide (s) + Carbon dioxide (g)

(ii) Potassium bromide (aq) + Barium iodide (aq) \longrightarrow Potassium iodide (aq) + Barium bromide

(aq)

6. What happens when electric current is passed through slightly acidic water?

7. What happens when silver nitrate is mixed with a solution of sodium chloride?

8. What do you mean by exothermic reactions? Explain with an example.

9. What do you mean by endothermic reactions? Explain with an example.

CLASS X- BIOLOGY LIFE PROCESS- NUTRITION

MULTIPLE CHOICE QUESTION

1. The raw materials for photosynthesis are

(A) CO₂ & O₂ (B) sunlight and CO₂ (C) water and chlorophyll (D) CO₂ and water.

2. Most of the photosynthesis (80%) which takes place on this earth is carried out by

(A) green plants on land

(B) algae present in fresh water

(C) algae found in ocean

(D) algae present in ocean and fresh water sources.

3. Which of the following has no digestive enzyme?

(A) Saliva (B) Bile (C) Gastric juice (D) Intestinal juice

4. Plants are green in colour because

(A) they absorb green light only

(B) they reflect green light

(C) they absorb green light but reflect all other lights

(D) none of the above are correct.

5. Full name of NADP is

(A) Nicotinamide dinucleotide phosphate

- (B) Nicotine adenine dinucleotide phosphate
 - (C) Nicotinamide adenine dinucleotide phosphate
 - (D) None of the above
6. Wavelength of visible light is
- (A) 200 - 400 nm (B) 400 - 700 nm (C) 700 - 900 nm (D) 100 - 200 nm
7. The presence of sugar in onion leaves can be tested with
- (A) iodine (B) copper sulphate solution (C) lime water (D) benedict's solution
8. Chemical reaction takes place during dark reaction of photosynthesis is
- (A) photolysis (B) hydrolysis (C) carbon dioxide is bonded with RUBP (D) nitrogen fixation
9. Dark reaction and light reaction of photosynthesis takes place in
- (A) stroma and grana of chloroplast respectively
 - (B) grana and stroma of chloroplast respectively
 - (C) grana only
 - (D) stroma only
10. CO₂ acceptor during dark reaction of photosynthesis is
- (A) RUBP (B) PEP (C) NADPH (D) ATP

VERY SHORT ANSWER TYPE QUESTIONS

1. Define photosynthesis ?
2. Name the different modes of nutrition and classify them with one example of each ?
3. Name the site of light and dark reaction of photosynthesis ?

LONG ANSWER TYPE QUESTIONS

4. Explain how water and temperature influence the rate of photosynthesis ?
5. Describe the structure and role of chloroplast along with a well labelled diagram ?
6. Describe the mechanism of photosynthesis ?
7. Explain the process of 'Photosynthesis' in plants. List four factor which influence this process
and describe how each of them affects the rate of the photosynthesis. [Delhi, 2018]
8. Explain the following aspects of photosynthesis in plants :
(i) The role of chlorophyll (ii) Dark reaction (iii) Calvin - Benson Cycle.

SOCIAL SCIENCE

- 1- Prepare 20 objective (1 mark) questions each from these three chapters:
Nationalism in Europe
Resources and Development
Power Sharing
- 2- Do self-study of the following chapters:
Nationalism in India.
Development
Federalism
- 3- Draw and Label National parks and wildlife sanctuaries of India on a map.
- 4- Revise and learn the questions and topics from the chapters completed till now.
- 5- Prepare a file taking **any one** of the following topic:
 - 1- Consumer Awareness,
 - 2- Sustainable Development,
 - 3- Social Issues.

ART EDUCATION

MAKE ONE OBJECT BY USING WASTE MATERIALS.