



BRAJKISHORE KINDERGARTEN, CHHAPRA

Session – 2024 - 2025

Home Work for Summer Vacation

Class – IX

Name:.....Sec.....Roll No.....

English

1. Beehive : - (i) The fun they had (Worksheets 88 to 90)
(ii) The sound of Music (Worksheets 91 to 94)
(iii) The Road Not Taken (Worksheets 124 to 126)
- Moments : - (i) The Lost Child (Worksheets 154 to 156)
(ii) Adventures of Toto (Worksheet 157 to 159)
- Grammar : - (i) Worksheet – I Education for special children
(ii) Worksheet – 2 Diet for perfect health
(iii) Worksheet – 3 Drugging and dooming
(iv) Worksheet – 4 Water: Life's main source
(v) Worksheet – 5 Say "Please"

Note – The Worksheet exercises need to be completed in the book itself with pencil.

हिन्दी

1. पाठ – दो बैलों की कथा, लहासा की ओर, पाठ का वस्तुनिष्ठ एवं लघुत्तरीय प्रश्नोत्तर याद करें।

पद्य (काव्य) खंड

पाठ – 'साखियाँ एवं सबद' पाठ का वस्तुनिष्ठ एवं लघुत्तरीय प्रश्नोत्तर याद करें।

व्याकरण – पाठ – 'उपसर्ग', 'प्रत्यय' की परिभाषा याद करके लिखें।

परियोजना कार्य

(क) 'मुंशी प्रेमचंद' (ख) 'संत कबीरदास' का सचित्र जीवन परिचय लिखकर स्टिक फाइल में लगावें।

Maths

Solve the following :-

*Learn all the definitions of the following :-

- (a) Natural numbers (b) Whole numbers (c) Integers
(d) Rational Numbers (e) Equivalent Rational Numbers (f) Irrational Numbers
(g) Terminating Decimal (h) Recurring Decimals (i) Parallel lines
(j) Transversal line (k) Different types of angles

***Solve the following problems: -**

(1) Express $32.48\overline{35}$ in the form of $\frac{p}{q}$.

(2) Find three rational and two irrational numbers between $\sqrt{2}$ and $\sqrt{3}$.

(3) Represent each of the numbers $\sqrt{2}$, $\sqrt{3}$ and $\sqrt{5}$ on the real line with proof.

(4) Represent $\sqrt{4.7}$ on the number line with proof.

(5) If $x = 2 + \sqrt{3}$, find the value of $x^3 + \frac{1}{x^3}$.

Science

Physics – Write answer of the following questions:

1. Write three differences between distance and displacement?
 2. An object is moving in a circle of radius r . Calculate the distance and displacement –
(i) When it completes half the circle.
(ii) When it completes one full circle.
 3. What is the difference between Speed and Velocity?
 4. A train travels some distance with a speed of 30 km/h and returns with a speed of 45 km/h. Calculate the average speed of the train.
 5. On a 120 km track, a train travels the first 30 km at a uniform speed of 30 km/h. How fast must the train travel the next 90 km so as to attain the average speed of 60 km/h for the entire trip?
 6. What do you mean by “Uniform acceleration”?
Write three examples of Uniform acceleration.
 7. A scooter acquires a velocity of 36 km/h in 10 seconds just after the start. It takes 20 seconds to stop. Calculate the acceleration in the two cases.
 8. A train starting from rest moves with a uniform acceleration of 0.2 m/s^2 for 5 minutes. Calculate the speed acquired and the distance travelled during this time.
 9. What is the difference between uniform linear motion and uniform circular motion?
 10. Explain, why the motion of all artificial satellite around the earth is accelerated?
- Project:** - Write a note on The Great Scientist “Sir Isaac Newton” and put in a stick file.

Chemistry: -

Answer these questions: -

1. What is a matter? Give examples. What are different states of matter? Are different states of a matter are inter convertible?
2. What is sublimation? Give example. Why does Naphthalene ball disappear with time without leaving any solid?
3. What is diffusion? In which state of the matter diffusion rate is the highest? Why?
4. Define the following terms: -

- (a) Evaporation (b) Vapourisation (c) Latent heat of diffusion
(d) Latent heat of vapourisation (e) Solution.

5. Why a sponge is compressible? Are other solids also compressible or not? Give reason in support of your answer.

6. What is a mixture? Give two characteristics.

7. What is a compound? How it is different from a mixture? Give examples.

Biology –

Note – Write the question and answer in a separate copy.

1. How is a 'prokaryotic cell' different from a 'eukaryotic cell'?
2. Make a comparison and write down ways in which plant cells are different from animal cells.
3. Where do the lipids and proteins constituting the cell membrane get synthesised?
4. Draw a well labelled diagram of the power house of the cell and explain its structure and functions.

History

A. Write and learn the answer of the given questions in c.w. copy.

- (i) What was feudal system?
- (ii) What was the theme of the book 'The Spirit of the Laws' written by Montesquieu?
- (iii) Describe the concept of active and passive citizens of France.
- (iv) What were the causes of the empty treasury of France under Louis XVI?
- (v) Describe the division of French Society before French revolution.

B. Prepare the notes of the chapter – 01 "The French Revolution".

Civics

A. Write and learn the answer of the given questions in c.w. copy.

- (i) What is PRI?
- (ii) Give a definition of democracy?
- (iii) Media is not independent in Zimbabwe. How?
- (iv) Write any five features of Non Democratic government.
- (v) Write any five features of Democratic government.

- (vi) Why is democracy considered the best Form of government?
- (vii) What do you understand by the term “apartheid”?
- (viii) Indian leaders were inspired by which countries to frame the Indian constitution?

B. Prepare the notes of the chapter 01. “What is Democracy? Why Democracy?”

Geography

A. Write and learn the answer of the given questions in c.w. copy.

- (i) Why is Himadri mountain named so?
- (ii) Why are Shiwaliks more prone to earthquakes and landslides?
- (iii) Mention the division of Northern Plains marked by rivers?
- (iv) How are riverine islands formed? Give an example.
- (v) Explain the term distributary.
- (vi) Write the importance of peninsular plateau?
- (vii) Mention the three distinct features of Aravali hills.
- (viii) Name the three prominent sub-ranges of the Himachal Himalayas.

B. Draw the Fig. 1.3 : India : Extent and standard Meridian on A – 4 Sheet.

Economics

Write and learn the answer of the given questions in c.w. copy.

1. Define the meaning of production and its aim.
2. Mention 3 characteristics of traditional method of farming.
3. Explain the problems which arise due to unequal distribution of land.
4. How do small farmers obtain capital for farming? What is its consequence? Explain.
5. Describe any 3 source of irrigation in Palampur.
6. What is modern farming methods? Explain its drawbacks.
7. Describe the role of the farmers after the crops are harvested and production is complete.
8. Why was the initial impact of green revolution limited to wheat and only to a few regions?
9. What is land? Suggest any 3 ways to sustain land.
10. Define green revolution. How is Green Revolution different from traditional farming?

Project: - Chapter – 2 People as resource * Prepare the notes.

Computer

1. Write any two limitations and characteristics of a computer.
2. Explain the difference between EPROM and EEPROM.
3. Project : Draw the Block diagram of Basic organization of a computer. (Page no. – 21)