

CLASS- VII

LOWER HINDI

१. यह मेरा वतन कविता को याद करते हुए पाठ के प्रश्नों के उत्तर लिखिए ।
२. अनुच्छेद लिखिए- मेरा गाँव , मेरा प्रिय खेल ।
३. अपनी किताब से ५ पेज सुलेख लिखिए ।
४. संज्ञा की परिभाषा बताते हुए उसके भेद लिखिए ।
५. अपन मामा जी को गर्मी की छुट्टी में अपने आने की सूचना देते हुए पत्र लिखिए ।
६. किन्हीं १० शब्दों के तीन- तीन पर्यायवाची शब्द लिखिए ।

HIGHER HINDI

१. दादी माँ पाठ के सभी प्रश्नों के उत्तर लिखिए ।
२. अपनी किताब से २० कठिन शब्दार्थ लिखिए ।
३. हम पंछी उन्मुक्त गगन के कविता को याद कर सचित्र लिखिए ।
४. अनुच्छेद लिखिए- मेरा भारत महान , वर्षा ऋतु ।
५. २० अनेक शब्दों के लिए एक शब्द लिखिए ।
६. किन्हीं २० विलोम और पर्यायवाची शब्दों को लिखिए ।
७. अपने वाद- विवाद प्रतियोगिता में प्रथम आने पर दादा जी को पत्र लिखिए ।

ENGLISH

1. Write and learn the Qtn Ans of the chapters taught to you in the class along with the exercises given in the text book. (Reader)
2. Read the first three chapters of the supplementary reader and solve the exercises in your note books.
3. Write an Article/Poem on any topic of your choice for the school magazine.
4. Write a paragraph on the given topics in 150-200 words –
 - a. India of my dreams.
 - b. Importance of Reading.
 - c. If I were the school captain.
 - d. Role of media.
5. Write and learn the first three poems of your reader book along with the exercises in your notebooks.
6. Write a letter to the Editor of a daily newspaper to publish your views regarding the increase in the no. of road accidents giving reasons and ways to reduce them.

LOWER ODIA

ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ

୧. କିଏ କିରିରିମିରିରି ଶବ୍ଦ କରେ ?
୨. ଅଜଣା ଲୋକଙ୍କୁ ଦେଖି କିଏ ଡଢ଼ି ନିଏ ?
୩. ନିଦରୁ ଥାମକୁ କିଏ ଡଠାଇ ଦିଏ ?
୪. କୁହୁକୁହୁ କିଏ ରାବେ ?
୫. ନାଲି ଥିକାହାର ଅଛି ?
୬. ଅମୃତସମାର କାହାର କ୍ଷୀର ଅଟେ ?
୭. କିଏ କିଏ ସାଙ୍ଗ ଥିଲେ ?

୮. ବନବିଭାଗ ଅଫିସକୁ କିଏ ଗଲା ?
୯. କାହାର ଅକଲ୍ ଗୁଡୁମ୍ ହୋଇଗଲା ?
୧୦. ଗଧୁଆର ସମୁଦି କିଏ ?
୧୧. ହନୁବଇଦ କେଉଁଠି ଶୋଇଥିଲା ?
୧୨. ଦ୍ଵାର ଠକଠକ୍ କିଏ କଲା ?
୧୩. ବିଲେଇନାନୀ ମିଠା ଦୋକାନରେ କ'ଣ କ'ଣ ମିଳୁଥିଲା ?
୧୪. କାହାର ଔଷଧରେ ଗଧୁଆର ଭାରି ବିଶ୍ଵାସ ?
୧୫. ହନୁବଇଦର କେଉଁ କଥାକୁ ଗଧୁଆ ଗଣ୍ଠି ପକାଇ ମନେ ରଖିଲା ?

HIGHER ODIA

୧. ଦିଆଯାଇଥିବା ସମସ୍ତ ରଚନା ଲେଖ ।

- (କ) ଅଂଶୁଘାତ ଓ ତା'ର ପ୍ରତିକାର
- (ଖ) ଓଡ଼ିଶାର ବନ୍ୟା ସମସ୍ୟା ଓ ତାହାର ନିରାକରଣ
- (ଗ) ସମୟାନୁବର୍ତ୍ତିତା
- (ଘ) ଉତ୍କଳ ଦିବସର ମହତ୍ତ୍ଵ
- (ଙ) ଉତ୍କଳର ପର୍ବପର୍ବାଣି
- (ଚ) ଓଡ଼ିଶାର କୃଷି ଓ କୃଷକ
- (ଛ) ଆଦର୍ଶ ଛାତ୍ର ଜୀବନ
- (ଜ) ଗ୍ରୀଷ୍ମଋତୁରେ ପଲ୍ଲୀର ଅବସ୍ଥା
- (ଝ) ସାହିତ୍ୟ ଓ ସମାଜ
- (ଞ) କଳିଙ୍ଗର ବରପୁତ୍ର ବିଜୁ ପଟ୍ଟନାୟକ

୨. ଦରଖାସ୍ତ ଓ ପତ୍ର ଲେଖ ।

- (କ) ଶରୀର ଅସୁସ୍ଥ ଯୋଗୁଁ ଶ୍ରେଣୀରେ ଅନୁପସ୍ଥିତ ରହିବାର କାରଣ ଦର୍ଶାଇ ପ୍ରଧାନ ଶିକ୍ଷକଙ୍କ ନିକଟକୁ ଛୁଟି ମଞ୍ଜୁର ନିମନ୍ତେ ଆବେଦନ ପତ୍ର ପ୍ରଦାନ ।
- (ଖ) ଗ୍ରାମରେ ପାନୀୟ ଜଳର ଅଭାବ ଦୂରୀକରଣ ନିମନ୍ତେ ଏକ ନଳକୂପ ଖନନର ଆବଶ୍ୟକତା ଦର୍ଶାଇ ମଞ୍ଜୁଳ ଉନ୍ନୟନ ଅଧିକାରୀଙ୍କୁ ଦରଖାସ୍ତ ଲେଖ ।
- (ଗ) ତୁମ ଅ଼ିକ୍ରରେ ବାରମ୍ବାର ବିଦ୍ୟୁତ୍‌କାଟ ହେତୁ ତାହାର ପ୍ରତିକାର ପାଇଁ ବିଭାଗୀୟ କର୍ତ୍ତୃପକ୍ଷଙ୍କ ନିକଟକୁ ଆବେଦନ ପତ୍ର ଲେଖ ।
- (ଘ) ତୁମ ବିଦ୍ୟାଳୟରେ ଉତ୍କଳ ଦିବସ କିପରି ପାଳନ କଲ ତାହା ବର୍ଣ୍ଣନା କରି ବନ୍ଧୁଙ୍କ ନିକଟକୁ ପତ୍ର ଲେଖ ।

୩. ହସ୍ତାକ୍ଷର ଖାତା ସଂପୂର୍ଣ୍ଣ ଲେଖିବ ।

୪. ସରଳାର୍ଥ ଲେଖ ।

- (କ) ନିଧନ ଶଙ୍ଖାଳି ମୋର ଦରିଦ୍ର ପସରା
- (ଖ) ସତୀ ସାତାଙ୍କର ନୟନବାରୀ କାଳାନନ୍ଦ ପ୍ରାୟ ଲଙ୍କାପୁରୀକୁ ଭସ୍ମ କରିଦେଲା ।

୫. 'ରାମାୟଣ କଥା'ର ପ୍ରଶ୍ନ ଉତ୍ତର ଲେଖିବ ।

MATHEMATICS

From NCERT maths book

CHAPTER 1—INTEGERS

EX-1.1—Q.NO—9

EX-1.2—Q.NO—4

EX-1.3—Q.NO—5

EX-1.4—Q.NO—1,3

CHAPTER 2-- DECIMALS

EX-2.1—Q.NO—1,4,5,8

EX-2.2—Q.NO—3,5,6,7

EX-2.3— Q.NO—2,3,4

EX-2.4— Q.NO—3,4

EX-2.5— Q.NO—2,4,5

EX-2.6— Q.NO—1,3,5

EX-2.7— Q.NO—1,3,5

CHAPTER 3—DATA HANDLING

EX-3.1-- Q.NO—3,4,6

EX-3.2-- Q.NO—2,3,4

EX-3.4-- Q.NO—1,2

ANSWER ALL QUESTIONS

- (a) Write a pair of negative integers whose difference gives 2.
(b) Write a negative integer and a positive integer whose difference is 7.
- Find the product using suitable property
 $5489 \times 22 + 77 \times 5489 + 5489$
- Fill in the blanks
(a) $897 \div \dots = -897$ (b) $\dots \div 1 = -88$
- Arrange in descending order $6/5, 5/7, 3/7, 2/3$
- A cricketer scores the following runs in 10 innings:
64, 55, 21, 0, 34, 78, 88, 43, 45, 25 . Find the mean score.
- There are 10 marbles in a box with numbers from 1 to 8 marked on each of them.
(a) What is the probability of drawing a marble with number 4?
(b) What is the probability of drawing a marble with number 8?
- A car runs 25 km using 1 litre of petrol. How much distance will it cover using $2\frac{1}{5}$ litres of petrol.
- Find $5\frac{3}{5} \div 2\frac{2}{3}$
- Find the mode and median of the data: 18, 26, 19, 15, 25, 17, 15, 15, 14

10. A vehicle covers a distance of 23.4 km in 1.3 litres of petrol. How much distance will it cover in one litres of petrol?

PROJECT WORK

Throw a die 250 times and write the data in tabular form with tally marks and draw a bar graph for this data. Use a drawing sheet for the project work.

PHYSICS

1. What is the simple pendulum? Define the time period of a simple pendulum.
2. In an experiment to measure the time period of a simple pendulum, the time for 20 complete oscillation was found to be 36s . What is the time period pendulum?
3. Draw a distance time graph to show the motion of a car moving with a speed which is not constant(non uniform speed)?
4. state any two advantage of drawing distance time graph for moving object?
5. A bus start from rest at 2.00 PM .the distance covered by the bus at various instant of time are recorded as follows

Distance (Km):	0	10	20	30	40	50
Time(PM) :	2.00	2.30	3.00	3.30	4.00	4.30

- (a) Draw the distance time graph for this bus.
 - (b) What distance was covered by the bus at 3.15 PM.
6. The distance by a car at various time intervals are as follows
- | | | | | | | |
|---------------|---|---|----|----|----|----|
| Distance (m): | 0 | 5 | 10 | 15 | 20 | 25 |
| Time(s): | 0 | 2 | 4 | 6 | 8 | 10 |
- (a) Draw a distance time. Graph for the car?
 - (b) What conclusion do you get this graph from this graph about the nature of motion of the car?

7. What is meant by uniform-motion and non-uniform motion? Give an ex. of uniform motion and one of non-uniform motion?
8. A man riding a scooter travels a distance of 50 meters in 20s. What is the speed of the scooter?
9. The train "A" travel a distance of 120Km in 3hrs where as another train "B" travelled a distance of 180 Km in 4 hours. Which train travel faster?
10. Salma takes 15 minutes from her house to reach her school on a bicycle. If the bicycle has a speed of 2 m/s , calculate the distance between her house and the school ?
11. A car moving with a speed of 40Km/h for 15 minutes and then with speed of 60Km/h for the next 15 minutes. The total distance covered by the car is?
12. A odometer of a car reads 57321.0Km when the clock shows the time 8.30AM .What is the distance moved by the car if at 8.50AM, the odometer reading has changed to 57336.0Km ?(a) Calculate the speed of the car in Km/min during this time .(b) express the speed in Km/h?
13. Convert 1Km/h into 1m/s? Convert 1m/s into km/h?
14. Falcon is a bird which flies with a maximum speed of 320Km/h. Calculate its speed in m/s?
15. A sprinter (U.Bolt) attains a maximum speed of 10m/s. What will be his speed In Km/h ?
16. The distance travels by a car at various is shown below.

Distance (Km):	0	1	2	3	4	5
Time (min):	0	1	2	3	4	5

Draw a graph distance against time ,what conclusion do you get about the motion of the car from this graph?

17. A bus start from rest at 8.00 PM .the distance covered by the bus at various instant of time are recorded as follows

Distance (Km):	0	20	40	60	80	100
Time (AM) :	8.00	8.30	9.00	9.30	10.00	10.30

(a) Draw the distance time graph for this bus.

(b) What distance was covered by the bus at 9.45 AM.

(c) Write advantages of distance-time graph?

18. A simple pendulum takes 32s to complete 20 oscillations what is the time period of this pendulum?

19. (A) What is a bar graph? Explain with an Example?

(b) What is a pie (graph) chart? Explain with an Example?

20. Draw the distance time graph:

(a). For an object moving at constant speed

(b) For a stationary object which is not moving.

CHEMISTRY

Answer the following questions.

1. Which parts of the black sheep have wool?

2. What is meant by the following terms? (a) Rearing (b) Shearing (c) Sericulture. (d) Sorter's disease.

3. Match the words of Column I with those given in column II:

Column I

- a) Scouring
- b) Mulberry leaves
- c) Yak
- d) Cocoon

Column II

- a) Yields silk fibres
- b) Wool yielding animal
- c) Food of silk worm
- d) Reeling
- e) Cleaning sheared skin

4. Make a table of some Indian breeds of sheep.

5. Collect pieces of silk cloth of various types and paste them in your scrap book, identify the types of silk.

BIOLOGY

1. Read the Ch-1 & 2 thoroughly and make a Vocabulary table in your H/W Copy.

2. Make a chart (Any one) from the topics given below

- i. Diagram of Photosynthesis including the Internal Structure of Leaf and the STOMATA
- ii. Diagram of the Plants follow the Heterotrophic mode of Nutrition
- iii. Diagram on Digestive System in Humans
- iv. Diagram of Teeth & Tongue
- v. Diagram of Digestive System in Herbivores
- vi. Diagram to Show Nutrition in Amoeba

3. Write down the Answer of the following Questions:

i. Why is nutrition important for living organisms?

ii. How do plants get water, minerals and CO₂ for photosynthesis?

iii. What are stomata and guard cells? Draw diagram of stomata. How are they important?

iv. Differentiate between saprophytic and parasitic nutrition.

v. Write an equation to show the process of photosynthesis.

vi. Why is photosynthesis essential for the existence of life on the earth?

vii. Write raw materials for photosynthesis.

- viii. How do saprotrophs derive nutrients?
 - ix. How do plants get CO₂ for making food by the process of photosynthesis? Explain.
 - x. What do you mean by extracellular digestion?
 - xi. Why do some plants feed on insects?
 - xii. Explain symbiotic relationship in lichens and leguminous plants.
 - xiii. How do legumes use atmospheric nitrogen?
 - xiv. Define
 - a. Holozoic Nutrition
 - b. Cud
 - c. Ruminants
 - d. Alimentary Canal
 - e. Omnivores
 - xv. Differentiate between
 - i. Milk Teeth and Permanent Teeth
 - xvi. Describe following steps involved in the process of Human Nutrition
 - i. Ingestion
 - ii. Digestion
 - iii. Absorbtion
 - iv. Assimilation
 - v. Egestion
 - xvii. Name four types of teeth in an adult human being and also mention their function.
 - xviii. Name all the glands present in our body and also write their secretion and its function.
 - xix. Give functions of
 - a. Oesophagus
 - b. Stomach
 - c. Large Intestine
 - d. Rumen
 - e. Caecum
 - f. Pseudopodia
 - xx. What are Villi? Where are they present? What is their significance?
 - xxi. Name the simplest and digestive form of
 - i. Carbohydrates
 - ii. Proteins
 - iii. Fats
 - xxii. What happens to cellulose in Human Digestive System?
4. Activity: - Write an activity to show that Saliva converts starch into Sugar.
Write an activity to show that stomata help in exchange of gases.

HISTORY/CIVICS

HISTORY PROJECT WORK TOPIC

1. "The Delhi Sultan and the Mughal Emperors "
2. Prepare the question answers of lesson 1,2 and 3 of Civics

GEOGRAPHY

- Q1. Draw the diagram of components of environment.
 Q2. Draw the picture of Continental crust and oceanic crust.
 Q3. Make a list of biotic and abiotic components of your surroundings.
 Q4. Explain the interior of the earth with diagram.
 Q5. Define the terms :- (a) Rock
 (b) Minerals
 (c) Fossils.
 (d) Rock Cycle.

INFORMATION TECHNOLOGY

1. Answer the following questions:---

- a. How are binary, octal and hexadecimal number systems different from each other?
 b. Write the steps to convert decimal numbers into binary numbers?

c. Compute the following binary numbers:---

- i. $110011 + 10101$
 ii. 100011×11
 iii. $1101101 - 10110$
 iv. $1001110 / 11$
 v. $101011 - 1001$
 vi. $1011010 / 1010$
 vii. 11011×101
 viii. $101011 + 110011$

d. Perform the following conversions:---

- i. $(67)_{10} = (\text{_____})_2$
 ii. $(782)_{10} = (\text{_____})_2$
 iii. $(11010101)_2 = (\text{_____})_{10}$
 i. $(1100110)_2 = (\text{_____})_{10}$

e. What is the radix of a number system? Explain with examples.

