

Class – 9

Subject: English

Home Assignment

Duration: 25th March – 4th April

- NCERT – Beehive
Read the first poem '**The Road Not Taken**' written by **Robert Frost**. Collect brief information about the life of poet and after understanding write a brief analysis of the poem in your own words. For better understanding of the poem, take help of YouTube. You can also take help of applications like E – paathsala or Diksha. Download it from the play store and sign in as student.
Read the second chapter '**The Fun They Had**'. Divide the lesson into paragraphs. Minimum 3 paragraphs can be covered at a time. First read it aloud. Then go for silent reading. Enhance your vocabulary by writing the meanings of difficult words you've found. Understand the content and then explain it to yourself speaking aloud. It will help you recall as well as enhance your speaking skills.
Try to get the answers of the following questions and write it clearly in your notebook after the completion of the chapter:
Q1) Would you like if there were no physical schools? Why or why not?
Q2) 'Even the Mechanical teachers are not perfect.' Give example from the story.
- Grammar – Applied English Grammar and Composition
- Go through the solved comprehension given on page no 3 – 10. Carefully observe the skill of answering. Solve atleast 1 comprehension in a time period of 2 days. As these are solved comprehension, first write your answers and then check with the answers given in the book and evaluate your writing skills.
- **Tenses** (Page 121 -122)
You must go through the examples carefully and the tense table given on page 122 is quite helpful for understanding the proper usage of persons and verbs in sentences. Try to frame more sentences related to your hobbies or daily life using different forms of tenses.

Assignment 1

Class IX 2020-21

Subject: Mathematics

Topic: Number System (Chapter 1), Unit 1 and 2

- Find out a rational numbers lying between $\frac{1}{4}$ and $\frac{1}{3}$.
- Find out a rational number lying between 2 and 3.
- Find out a rational number lying between $-\frac{1}{3}$ and $\frac{1}{2}$.
- Find out two rational numbers lying between -3 and -2.
- Find out six rational numbers lying between $-\frac{4}{8}$ and $\frac{3}{8}$.
- Find out ten rational numbers lying between $\frac{7}{13}$ and $-\frac{4}{13}$.
- Find out three rational numbers lying between 4 and 5.
- Find out three rational numbers lying between $\frac{2}{3}$ and $\frac{3}{4}$.
- State true or false:
 - Between any two distinct integers there is always an integer.
 - Between any two distinct rational numbers there is always a rational number.
 - Between any two distinct rational numbers there are infinitely many rational numbers.
- Represent the following irrational numbers on number line geometrically :
a. b. c. d. e.
- Represent the following rational numbers on number line by method of magnification :
a. 1.237 b. 0.7382 c. 2.3295 d. 1.5437 e. 1.7342

N.B. – Go through the NCERT book and complete exercise 1.1, 1.2 and 1.3 along with this assignment. Some examples are given below. Also you can go through the links provided here, for better understanding.

Example 1: Find 4 rational numbers between $\frac{3}{4}$ and $\frac{8}{7}$.

Step 1: Find the LCM of the denominators. So, $\text{LCM}(4, 7) = 28$

Step 2: Make both denominators equal to a multiple of the LCM. So,
and

Step 3: So, rational numbers between them can be $\frac{22}{28}, \frac{23}{28}, \dots, \frac{31}{28}$.

Example 2: Represent on number line geometrically.

Step 1: . So, geometrically the following can be made

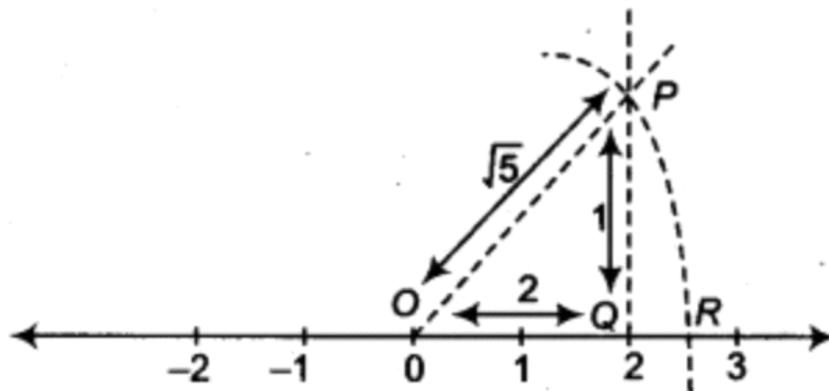


Figure Example 2

Example 3: Represent 3.765 on number line by method of magnification.

Step 1: 3.7 lies between 3 and 4. So divide interval into 10 parts.

Step 2: 3.76 lies between 3.7 and 3.8. So divide interval into 10 parts.

Step 3: 3.765 lies between 3.76 and 3.77. So divide interval into 10 parts and locate 3.765.

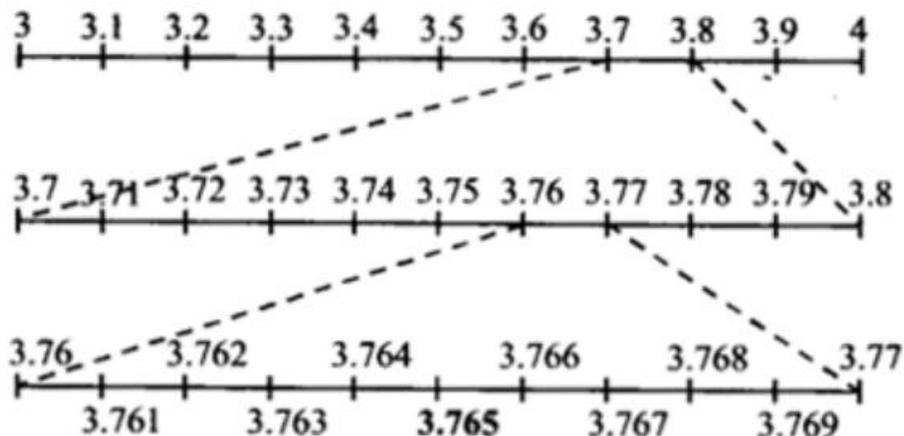


Figure Example 3

Links:

- <https://www.youtube.com/watch?v=C6Sen55Fnpc&feature=youtu.be>

- <https://www.youtube.com/watch?v=zqLSFfiYTDM&feature=youtu.be>

CLASS:IX SUBJECT: PHYSICS CHAPTER: MOTION

Dear Students, the chapter is divided into four small parts for your better understanding. Kindly read the NCERT book (download pdf) and follow the information given below related to the chapter. You are encouraged to utilize this precious time to search in internet and broaden the subject knowledge and try to go for online MCQs and topic related questions.

<https://www.youtube.com/watch?v=qCcTpsKtWEU>

<https://www.khanacademy.org/science/in-in-class9th-physics-india/in-in-motion>

INTRODUCTION: When we talk about motion or rest it is with reference to some point known as the origin. So, now with respect to the change in the position we have two quantities which can be used to describe that change in position. They are distance and displacement. So now the question is, what is the difference between the two? Talking about distance, it is defined as the total path length covered during the motion. It can be represented only by magnitude. On the other hand, displacement is the shortest distance between the initial and final position. It requires both magnitude and direction for complete representation.

We can define motion as the change of position of an object with respect to time. A book falling off a table, water flowing from the tap, rattling windows, etc all exhibit motion. Even the air that we breathe exhibits motion!

Everything in the universe moves. We live in a universe that is in continual motion. The fundamental particle of a matter that is the atom is in constant motion too. Every physical process in the universe is composed of motion of some sort. The motion can either be swift or slow, but motion exists. It is important that we give due attention to the study of motion because of its importance in the physical world. Motion is mainly described in terms of the following terms: Distance, Displacement, Speed, Time

Distance and displacement are used to describe the change in position. Now if someone asks what the distance between A and B is, we can't give a definite answer because it depends on the path taken. It may or may not be the same for all three paths. But for displacement, we can always give a definite answer as it is a straight line joining the two points. In other words, displacement is nothing but the shortest distance between the two points, which in this case is Path 2. Also, it has a particular direction from A to B, as we can see.

So now that we have a basic idea of both we will try to solve an example: Suppose the distance between two cities A and B is 'd'. A person goes from A to B and returns. Calculate distance travelled and displacement.

Distance travelled = Total path length covered = $d + d = 2d$

Talking about displacement, it is measured as the shortest distance between the initial and final position. In this case, both are the same and hence, displacement is also zero.

Uniform Motion: This type of motion is defined as the motion of an object in which the object travels in a straight line and its velocity remains constant along that line as it covers equal distances in equal intervals of time, irrespective of the duration of the time.

Non Uniform Motion: This type of motion is defined as the motion of an object in which the object travels with varied speed and it does not cover same distance in equal time intervals, irrespective of the time interval duration.

ASSIGNMENT NO 1 (write in a notebook)

- What are the different types of motion?
- State the differences between distance and displacement
- What is uniform motion? Explain it with an example and plot the graph for the same
- What is non-uniform motion? Explain it with an example and plot the graph for the same
- What is speed? What is its SI unit

3. Why cell is called the structural and functional unit of life?
4. Name the scientists who:
 - (a) discovered the free living cells in pond water
 - (b) discovered nucleus in the cell
 - (c) coined the term protoplasm for the fluid substances in the cell
 - (d) proposed the cell theory
 - (e) expanded the cell theory
5. State the cell theory.
6. Draw the diagrams of various cells from the human body given in pg. 58, fig. 5.3 of NCERT
7. State the major features and functions of Plasma membrane.
8. In text questions no. 1 and 2 [pg. 61].
9. Explain the term endocytosis.

OSMOSIS AND DIFFUSION

PART 1

<https://youtu.be/C6x7XUtUjR>

PART 2

<https://youtu.be/SD1AKWUazPU>

PART 3

<https://youtu.be/MCvbfqz7ASs>

10. Tabulate the difference between: (At least 3)
 - (a) Diffusion and Osmosis
 - (b) Hypotonic, Isotonic and Hypertonic solutions
11. State the major features and functions of Cell wall.
12. What is plasmolysis?
13. State the major features and functions of Nucleus.
14. Draw the diagram of a prokaryotic cell (pg. 62, Fig. 5.4)
15. Tabulate the difference between prokaryotic cell and eukaryotic cell (At least 4, pg. 63).

Assignment

Subject-Computer, Class-9

Note- Read chapter-1 (An introduction to Computer System)carefully and answer the following questions.

- What is computer and how is it useful?
- Which is called as the brain of the computer?
- What is the working of input and output devices of computer? some examples of input and output devices.
- What is memory and what are the measuring units of memory?
- What do you mean by computer hardware and software? Specify examples for each.
- What is data ? Give an example of data.
- Draw the block diagram of computer system.

Go through the following link-

<https://youtu.be/-AP1nNK3bRs>

Chapter 1: The French Revolution

Read the chapter from page 3 - 7 carefully and make notes. To make it easy it is divided into following subtopics:-

1. French society during the late eighteenth century
2. The struggle to survive
3. Growing middle class envisages an end to privileges

To understand better follow the link provided:-

<https://youtu.be/SILE0j3sxqc>

<https://youtu.be/kSM0q1PDnOc>

<https://youtu.be/d8xN9-Ju9Y8>

I. After reading you must know (make notes) the definition of the following words and phrases:-
Bustille, Bourbon family, Constitutional Monarchy, Clergy, Nobility, Peasants, Treason, Livres, Tithe, Taille, and Subsistence Crisis.

II. Complete the following activities:-

1. Explain the activity Fig- 3 why the artist has portrayed the nobleman as the spider and the peasant.
2. Complete the activity Fig- 4 on how a subsistence crisis happens.

III. Answer the following questions :-

1. What were the causes for empty treasury of France under Louis XIV?
2. What compelled Louis XVI to raise taxes in France?
3. Write two points of each philosopher - Locke, Rousseau and Montesquieu.

Social Science class 9

March 25th-April 4th

Chapter 1 civics

Name-what is democracy?

Why democracy?

Read the chapter carefully. To make it easy it is divided into subtopics which are to be covered

Day 1 Meaning of democracy

Refer to the activity given in page 5

and analyse the following statement" Is democracy all about rulers and government's or beyond"?

Day 2

Features of democracy

Merit's and Demerits of democracy

Refer to activity, textbook page 11

What would have happened if India was not a democracy? Could we have Stayed together as a single nation?

Test your understanding

What is the most common form of democracy in the modern world?why?

Which freedom is taken away when democracy is overthrown by military?

Class-9

Subject-SST(Geography)

Dated-Mar25 to Apr4

Chapter-1

Name-India Size and Location

Dear children this is a small chapter divided into 4 parts-Location,Size,India and the World and Indias Neighbours.

Read it in parts and try to understand. It can be done in this week.

Day-1--Cover 1st and 2nd topic. Read the material given in the book ,keep a map of India and World in front of you while reading for better understanding You can use your Map Skill book.

Day-2—Cover the 3rd and 4th topic. Read the materials given in your book and try to find out the location of India's neighbours and location of India in context with the world. Give emphasis on India's central location its benefits due to this. Also find out the material traded by India to its neighbours . The influence of trade and commerce in our social and cultural life. You can refer to the link given below.

After completing the chapter do the question answers in your Geography notebook. Do the MCQs in the book itself.

Do the map work given in the back of lesson in your Map Skill Book.

https://youtu.be/VuDbizd_W6k

SOCIAL SCIENCE CLASS-IX

March 25th- 4th April

SUBJECT – ECONOMICS

WHAT IS ECONOMICS ?

<https://youtu.be/9ZqkecHnFpc>

CHAPTER 1- THE STORY OF VILLAGE PALAMPUR

READ THE CHAPTER FROM BEGINNING TO TILL PICTURE 1.2

It is divided into parts

- Introduction
- Organisation of production

For better understanding follow the link provided below

<https://youtu.be/iyTqjG6TkEU>

AFTER READING AND WATCHING THE VIDEO YOU MUST MAKE NOTES.

I.ACTIVITY- ECONOMICS

NATURE OF ACTIVITY – INDIVIDUAL

ASSESSMENT TECHNIQUE – SURVEY

WHAT YOU HAVE TO DO – COLLECT THE DATA AND FILL IN THE OBSERVATION TABLE

HOW YOU WILL PROCEED – COLLECT THE DATA OF 5 PERSON RELATED TO TOPIC IN THE FOLLOWING FORMAT

S.NO	INCOME OF INDIVIDUAL	TOPIC FOR DATA COLLECTION
1		
2		
3		
4		
5		

- SUGGESTED TOPICS FOR DATA COLLECTION – Mode of transportation use by people to reach their place of work, pocket money given to children, newspaper and magazines bought by a family, no.of electronic items at home, no.of times eating out in a week.
- EACH STUDENT WILL SELECT ONE TOPIC ONLY FOR COLLECTING THE DATA.

After collection of data students will analyse and make notes on

- Identification of disparity or similarity if it exists.
- Possible causes and consequences of disparity or similarity.

One Example-

s.no.	INCOME OF INDIVIDUAL	POCKET MONEY
1	Rs.20,000 per month	Rs.100 per month
2	Rs.40,000 per month	Rs.250 per month
3	Rs.50,000 per month	Rs.500 per month

Observation table

Causes of economic disparity	Consequences of economic disparity

II. Work sheet

Answer the following questions.

- What is the aim of production ?
- Give example of working capital
- What are the four factor of production explain?
- Differentiate between physical capital and human capital?
- What do you mean by physical capital? Explain with examples.

Assignment of Class 9

Subject _ଓଡ଼ିଆ

ପାଠ_୧(କାହା ମୁଖ ଅନାଇ ବଞ୍ଚିବି)

ପ୍ରଶ୍ନ ୧_(କବି ଭକ୍ତଚରଣ ଦାସଙ୍କ ସମ୍ପର୍କରେ ସଂକ୍ଷିପ୍ତ
ବିବରଣୀ ଉଲ୍ଲେଖ କରି ଲେଖ।)

ପ୍ରଶ୍ନ ୨_ଉତ୍ତର ଲେଖ_ପ୍ରଶ୍ନ

୧୦, ୧୧, ୧୨, ୧୪, ୧୫, ୧୮, ୧୯, ୨୨, ୨୩, ୨୭, ୩୦

ସରଳାର୍ଥ ଲେଖ_ପ୍ରଶ୍ନ_୩୨, ୩୪

13:51

HINDI

WRITE IN HINDI COPY

1 - अनुच्छेद - लेखन - समय व्युत्पत्त्य है ।
संकेत बिंदु - (i) बीता समय लीट कर
नहीं आता ।
(ii) सफलता के लिए सहायक
(iii) समय का सदुपयोग ।
संकेत बिंदु के आधार पर अनुच्छेद लिखें ।

2 - 10 अनुस्वार , 10 अनुनासिक और 10 नुक्ता वाले
शब्द लिखें ।

3 - निम्न लिखित शब्दों के वर्ण-विच्छेद करें -
i, राजनीतिज्ञ
ii, शिक्षक
iii, सूर्योदय
iv, शिक्षाशास्त्री
v, आविष्कार