

CLASS IX BIOLOGY

PLANT-

GUIDELINES: Maintain a thin notebook of the home work given which will be submitted once the school reopens.

1. Read the chapters-i: Introducing Biology
ii: Cell-The Unit of Life
iii: Tissues: Plant And Animal Tissues

From the book

2. Answer the following questions in the notebook:
 - a) Differentiate between
 - i) Eukaryotic and prokaryotic cells
 - ii) Plant Cell and Animal Cell
 - iii) Meristematic and permanent tissue
 - iv) Sclerenchyma and Collenchyma
 - b) Draw and practise the following diagrams:
 - i) Generalized plant and Animal Cell
 - ii) Supporting tissue
 - iii) A Nerve Cell

3.0 Complete the exercises of the respective chapters in the book itself.

HISTORY/CIVICS PROJECT

NOTE: Kindly make your Project in your class work Notebook:-

Write features of the following from the chapter- Harappan Civilization

- 1) The Great Bath
- 2) The Granaries
- 3) Seals
- 4) Dancing Girl (Statue)

Read the Chapters I from History (The Harappan Civilization) and I from Civics (Our Constitution) from Civics and mark the answers in your Book.

GEOGRAPHY

Kindly Read The Following Chapters:

L-2 Latitudes and Longitudes.

L-3 Motions of the Earth.

Draw the following Diagrams in your Geography class work Note-book

- (1) Important lines of Latitudes
- (2) Temperature zones
- (3) Summer Solstice
- (4) Winter Solstice
- (5) Change of Season

Go to the provided Links related to Chapter 2 & 3:

<https://youtu.be/y6aPerEPbvw>

<https://youtu.be/1qeg6jsPNt4>

<https://youtu.be/jzXLH1p1FOU>

<https://youtu.be/hWkKSk13gkU>

<https://youtu.be/EXasopxAfOM>

Mark the answers of these Chapters in your books only.

ECONOMICS:

- 1) Read Chapter 2&3.
- 2) Cover four sub-points from each topic.
- 3) Practice the exercises from both the chapters.

COMPUTER PROGRAMS

Write the java programs for the following in a practical copy

A. To display the following series

- 1 3 5.....n terms
- 2 4 6.....n terms
- 1 2 3 4.....n terms
- 1 9 25n terms
- 4 16 36.....n terms
- 1 8 27.....n terms
- 0 3 8n terms
- 2 5 10n terms
- 1^1 2^2 3^3 n terms
- Print the square root of First n Natural Numbers.

B.

- Enter a number and display its table
- Enter the basic salary (bs) of an employee. Calculate and display his total salary using the formula

$$ts = bs + da + hra$$

According to the following criteria:

Bs ≤ 10000	hra = 15% of basic salary	da = 10% of basic salary
Bs ≤ 20000	hra = 10% of basic salary	da = 5% of basic salary
Bs > 20000	hra = 5% of basic salary	da = 2% of basic salary

- Enter a number and display whether it is a single digit number double digit number or triple digit number or more than three digit number
- Enter a character and check whether it is an UPPERCASE vowel, lowercase vowel UPPERCASE consonant or lowercase consonant.
- Enter three sides of a triangle and check whether triangle is isosceles, scalene or equilateral.

ENGLISH LITERATURE (Learning from home)

TOPIC:

1. Poem- “The heart of the tree”

Refer to the link given below for understanding the summary of the poem:

https://www.youtube.com/watch?v=LK_qR7aVOCQ

2. The Story– The Chief Seattle’s Speech.

Refer to the link given below for understanding the summary of the story:

<https://youtu.be/ytHofD886HY>

ASSIGNMENT:

1. To read the poem and the story.
2. Answer the following questions in detail:
 1. Compare the Red Indians’ belief systems with those of the White men.
 2. Comment on the appropriateness of the title of the poem ‘The heart of the tree’

NOTE: To write the answers in a total of 10 pages (5 pages each). Students may use Ruled Assignment sheets/A4 sheets/ Register sheets (As per availability).

ENGLISH LANGUAGE

Total English Book

Topic: Interchange of sentences

Chapter 1 [UNIT A]

Do the assignment given on page no. 9.

Do Question 3 and Question 5 of **Practice Paper 2 and 3** respectively.

Note: The work assigned above must be done in the fair notebook.

Maths:

1. Compound Interest (without using formula)
2. Factorization.
3. Do 10 questions of each chapter daily in your fair register/notebook. Problems will be discussed in the class when the school reopens.

PHYSICS

- Read and learn the chapters: Measurements and Experimentation
Pressure in Fluids and Atmospheric Pressure
Upthrust in Fluids, Archimedes Principle and Floatation
- Kindly refer to the links given below for the better understanding of the chapters:
- <https://youtu.be/e6VJGgBSrB8>
- <https://youtu.be/TxUIPs4wf98>
- <https://youtu.be/3PGNTZ4RbuM>
- Learning should be strictly according to the scope of syllabus mentioned at the beginning of each chapter.
- The exercises are to be marked in the book itself.
- All the numericals should be done serial number wise in a separate fair register.
- The doubts will be taken by the teacher as the school re-opens; proper space to be left in the register for them.

CHEMISTRY:

Maintain both sides ruled notebook for Chemistry.

1. Read and learn the chapter language of Chemistry. Write the chemical formulae given in the lesson in fair notebook.
2. Balance the chemical equations given in the exercise at the end of the chapter. Do them in fair notebook.

LIBRARY ASSIGNMENT:

Read Three Stories from any book and write one page summary of each story in Library note book.

STAY HOME, STAY SAFE..... MAKE THE BEST USE OF YOUR TIME.....