



**Class: 11<sup>th</sup> Science**

**Subject English**

- 1) Read books; may it be tables, comic books, fiction, drama even stories of textbooks.
- 2) Keep yourself physically fit by playing games. Run, exercise, sweat and channelize your energy.
- 3) Enhance your communication skills by conversing with your friends and family in English. It can also be in the form of chatting in English.

Have fun!

4) Read the newspaper daily according to:

a) The resource you have easy access to E-Newspaper. Find out samples of the following and paste them in your English notebook.

- 5 reports
- 5 advertisements
- 5 posters

b) Write a paragraph on the topic:

- How Google controls the life of an average person
- Write a letter to your father telling him what you intend to do after passing your 10+2 examination.

c) Read the play 'The New Hangman', write its:

- Summary
- Character sketch
- Theme

d) Read the following poems and write their; summary and poetic techniques used in the poems:

- Where the mind is without fear
- The season of the plains
- Personal Helicon for Michael Longley

**Physics:**

- 1) Complete all the chapters and worksheets that has been given in group and write down in a separate notebook (UNIT AND DIMENSIONS, KINEMATICS)
- 2) Make a model on simple pendulum
- 3) Write about one invention of noble price winner physicist with diagram and theory in a file.

## Chemistry:

Revise all the chapters thoroughly that have been completed recently.

Chapter:

- 1) Some basic concept in organic chemistry
- 2) Atomic structure
- 3) Classification of elements and periodicity in properties
- 4) Chemical bonding and molecular structure

## Biology

Unit 1. Cell structure and function

Unit 2. Diversity in the living world

- 1) Read the chapters thoroughly and revise the entire syllabus that has done in the month of April and May.
- 2) Make a separate notebook to note the important topics.

## Mathematics

### Worksheet 1

- Q1. If the sum of three numbers in AP is 24 and their product is 440. Find the numbers.
- Q2. Find the sum of all numbers between 200 and 400 which are divisible by 7.
- Q3. The sum of three numbers in GP is 56. If we subtract the 1, 7, 21 from the these numbers in that order we obtain an Arithmetic Progression. Find the numbers.
- Q4. Define arithmetic Progression, Geometric Progression.

### Worksheet 2

Q1. Solve the inequalities

$$3x - 4 \leq 5$$

When i) x is an integer

ii) x is a real no.

Q2. Solve the inequalities graphically

$$5x + 4y \leq 20, x \geq 1, y \geq 2$$

Q3. Solve the inequalities for real x.

$$\frac{x}{2} \geq \frac{(5x-2)}{3} - \frac{(7x-3)}{5}$$

Q4. Solve the inequalities on number line.

$$3(1-x) < 2(x+4)$$

### Worksheet 3

Q 1. Define complex no. and multiplicative inverse.

Q 2. Find the multiplicative inverse of

i)  $\sqrt{2} + 5i$

ii)  $4 - \sqrt{7}i$

Q 3. Write the given complex number in the form of  $a+ib$

i)  $i^6 + i^8$

ii)  $(2+3i)(2-3i)(1+i)^2$

Q 4. Find the modulus and argument of  $-\sqrt{3}+i$

### Physical Education

1. Select any game/sport of your choice (Kabaddi, Kho-Kho and Badminton) Write the following details:

a. History of the game/sport

b. Rules

c. Measurement of the field/court

2. List of Major National Sports Awards in India.

3. Learn and Revise all the topics of Chapter 1, 2 and 3

### Commerce - Stream

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### **Accountancy**

1) Revise the entire syllabus till date.

2) Prepare a chart which shows the important accounting terms.

OR

Prepare a chart of some definitions of Book-keeping, Accounting and Accountancy.

### **Business Studies**

1. Chapter-1

\* Business, profession and employment

\* Classification of business activities

\* Business risks

2. Chapter-2

\* Sole Proprietorship

\* Partnership Firm

## **Entrepreneurship**

### 1. Chapter-1

- \* Role of entrepreneurship in economic development
- \* Economics and technological barriers to entrepreneurship
- \* Functions of entrepreneurship.

### 2. Chapter-2

- \* Who is an entrepreneur
- \* Types of an entrepreneur
- \* Problems faced by women entrepreneurs

## **Economics**

- 1) Revise the entire syllabus till date.
- 2) Construct questionnaire

OR

Prepare chart showing primary and secondary data and its modes.

## **Physical Education**

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## **Humanities**

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## **Geography**

Prepare a project report on any of the following:

- 1) The Big Bang Theory regarding the development of the universe.
- 2) The four branches of the physical Geography.
- 3) Earthquake and Seismologists.

(Project should be done on A4 size coloured sheet and well decorated file.)

## **History**

Prepare a project on any of the following theme of World History:

- 1) History of Human Evolution
- 2) Mesopotamian cities
- 3) Development of writing

(Project should be done on A4 size coloured sheet and well decorated file)

## Worksheet 1

1. Cell is the basic unit of life. Discuss in brief.
2. Describe the structure of the following with the help of labeled diagrams.

- a) Nucleon
- b) Mitochondria
- c) Chloroplast
- d) Golgi apparatus
- e) Lysosomes
- f) Micro bodies
- g) Endoplasmic reticulum
- h) Ribosomes
- i) Cilia and flagella
- J) Centrosome and centrioles

3. Define the following (write these in between 50-100 words):

- a) Nucleic acid
- b) Primary and secondary metabolites
- c) Classification and nomenclature of enzymes
- d) Cofactors
- e) Nature of enzyme action
- f) Discuss cytokinesis from karyokinese
- g) Differentiate between mitosis and meiosis
- h) Describe cell cycle

(Write these in a separate notebook)

4. Make 50 objective type questions from the following topics:-

- a) Cell
- b) Cell cycle
- c) Biomolecules
- d) Mitosis and meiosis
- e) Plant kingdom
- f) Animal kingdom



5. Prepare a model on mitosis or meiosis or DNA or cell cycle.

6. Make a chart on cell organelles.

### **Sociology**

1. Prepare a brief report and describe the family structure of the Khasi Tribe.

2. Prepare a brief report on how the lives of migrant workers have been affected due to COVID-19.

3. Submit a social research on Sociologists (any 5) and their field work.

Learn all the chapters taught, yet.

### **Political Science**

1. Explain in detail the following fundamental rights with their articles:

a) Right to equality.

b) Right to freedom of Religion.

c) Right against exploitation.

d) Right to constitutional Remedy.

2. Write a short note on the composition and functions of Parliament.

3. Prepare a flow chart on "Types of Executive".

4. Find out the history of Indian Constitution.

5. Read any newspaper especially Editorial page every day.

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