



Assignment for class X

Class –X – BIOLOGY PROJECT

Write a project on either of the following two topics:

1. Pollution and its related diseases
2. Test tube baby

Instructions:

- You must write the project on ANY ONE TOPIC
- Page limit is 10-15 pages
- The entire project must contain your content, introduction, body of the project, conclusion, acknowledgement and bibliography
- In the light of current circumstances, it is advised that you may prepare this project in your spare copy/workbook/worksheet

Your project must contain:

- Describe systematically the topic you have chosen
- Explore new perspectives of the above-mentioned topic(s)
- Your conclusion to the project must include the reason why you have chosen the topic and a discussion which must include any critical comments.
- Additionally, you may include diagrams, statistical data and pictures which you can save for now but incorporate later on during final submission
- The bibliography must contain the addresses/names of all the websites, books and/or articles/reports you have read

Syllabus for biology 2020-2021 Term-1

1. Cell structure and function
2. Structure of chromosome; cell cycle and cell division
3. Genetics
4. Absorption by roots
5. Transpiration
6. Photosynthesis
7. The circulatory system
8. The excretory system
9. The nervous system



Assignment

1. Instruction: first read the chapter-1(cell structure and function) thoroughly and try to solve the following:

A. Define the following terms:

1. Cell
2. Nucleoplasms
3. Chromatin fibres
4. Protoplasm
5. Semi-permeable membrane

B. Differentiate between the following:

1. Organ and organelle
2. Chromatin fibre and chromosome
3. Protoplasm and cytoplasm
4. Freely permeable and selectively permeable
5. Nucleus and nucleolus

C. Mention the functions of the following:

1. Mitochondria
2. Ribosome
3. Centrosome
4. Golgi body
5. Nucleus

D. Draw the diagrams of both the plant and the animal cell. Point out the difference between both the cells and write point-wise.

2. Read chapter-2(structure of chromosome; cell cycle and division), chapter-3(genetics), chapter-4(absorption by roots) and chapter-5(transpiration) thoroughly and practise the given diagrams in the book. Solve the exercise(given at the back of the respective chapters) in a copy.



Syllabus for Chemistry ,Term 1-

- Sulphuric acid (Study of compounds)
- Empirical formula and Molecular formula
- Acid, Bases and Salts
- Analytical Chemistry

Revision chapters-Periodic table, Chemical bonding, HCl, Ammonia, Nitric acid
Gay Lussac's law, Percentage Composition

CHEMISTRY PROJECT

You may prepare the project on practical file or may prepare it on sheets of paper and copy it on practical file when you get your copies or can buy one.

**Prepare a project on Extraction of any one metal and a proposed important use of it. Possible alloys of the metal and their use.

Page limits not more than 15 pages including introduction, conclusion, acknowledgement and bibliography.

Assignment for Class 10 Chemistry.

Yearly questions to be solved for the chapters--- 1) Nitric Acid(Study of compounds) , Sulphuric Acid(Study of compounds)

Read the chapters.

****Answers for the questions should be solved in sheets of paper of the size of school exercise copy****



ECONOMICS

Syllabus

- 1) Demand
- 2) Supply
- 3) Elasticity of demand and supply
- 4) Factors of production: Land and Labour
- 5) Factors of production: Capital and Entrepreneur

Topic for project

Take the case of a company and analyses the production process in which all the factors of production are used by the company to produce a product

Here factors of production refers to land, labour, capital and entrepreneur

Any one company can be taken like a company producing pen, pencil, cosmetics, shoes, clothes etc.



ENGLISH - I

Term I

1. COMPOSITION - Descriptive, Narrative, Argumentative, Story Writing.
2. LETTER WRITING - Personal or Informal
Formal - Complaint, Editor, Invitation, Application
3. Notice and Email.
4. COMPREHENSION - (3 passages from Total English)
5. GRAMMAR - Total English 10 (Test Paper 8-11)

Term II

1. COMPOSITION - Critical writing, Factual writing, Picture composition + Revision of first term
2. LETTER WRITING - Personal or Informal
Formal - Persuasion, Business letters + Revision
3. Notice and Email.
4. COMPREHENSION - (3 passages from Total English)
5. GRAMMAR - Total English 10 (Test Paper 12-15)

Term III

TEST PAPERS - FRANK ICSE ENGLISH LANGUAGE
GOYAL'S ICSE ENGLISH LANGUAGE

ASSIGNMENT ENGLISH - I (To be done in single line sheet from school exercise copy)

Write a composition (300-350 words) on the following topics:

1. A close relative of yours, who has been away, is coming over to spend a month with you. Write describing to him, the good times you shared, your excitement at his coming and the preparations that are on to welcome him.
2. Write about a social problem/ health crisis troubling the country today. Relate it to some news items that have appeared recently in the press and suggest possible causes for it. You may also put forward remedies (as a responsible citizen) that you think might be effective.
3. Write an original story based on the proverb "Every cloud has a silver lining"
4. Advertisements are a necessary evil. Give your views either for or against the topic.



II. Letter Writing. (Write both the topics) 150 words

1. The last monsoons have left big craters and pot holes in the road leading to your school. The flow of the traffic becomes very slow and you get delayed very often. Write a letter to the editor of a newspaper drawing the attention of the concerned authorities.

2. A number of scooters and cars are parked in your locality without any order, causing blockage of the streets. Write a letter to the local Secretary of the Resident's Association complaining against this problem.

III. Rewrite the following sentences according to the instructions given:

1. Suresh suddenly thought of a splendid idea. (End... to Suresh)
2. Seema missed the bus because she was late. (Begin.. Had....)
3. Sheena returned one week ago. (Begin. It has....)
4. "I am sorry for insulting you," said Laksmi to Madhu. (Indirect)
5. He could not complete the race as he injured his foot. (Use prevented)
6. John has probably forgotten the date of examination. (BeginIn....)
7. Very few countries are as large a India. (Use larger)
8. The sergeant asked," Did you have any training before?" (Indirect)
9. If you don't come, I will not go out. (Begin Only....)
10. He sold his house to a wealthy diamond magnate. (Rewrite using 'bought' instead of 'sold')
11. His unexpected victory surprised everybody in the school. (Begin. His unexpected victory took...)
12. Nobody in our city can run as fast as Usha. (Begin... Usha...)
13. Joe requested his friend to wait there till he returned. (Direct)
14. If he apologizes, he will be pardoned. (Begin Unless....)
15. The thieves stole everything from the merchant and left him for dead. (Begin... having...)
16. Prerna consulted her parents before accepting the job offer (begin.. Prerna did not....)
17. Very few doctors in the hospital are as dedicated as he is. (begin He is...)
18. The Principal dealt with the miscreants firmly. (begin The Principal was....)
19. A fragrant flower is the loveliest creation of nature. (Begin No other...)
20. She was beautiful and humble. (begin... Not only...)



IV. Fill in the blanks with appropriate words:

1. The Safari park of South Africa abound ___ wild animals.
2. The young man excels ___ both music and dance.
3. She is a diligent student, worthy ___ praise.
4. I saw ___ his plan and realized that the meeting had been cancelled.
5. I was ___ the impression that the meeting had been cancelled.
6. Always be true ___ yourself.
7. The villagers lodged a complaint ___ the corrupt officials.
8. I can rely ___ my sister for help.
9. He may turn ___ when we least expect him.
10. The jewel was sold ___ thrice its cost price.
11. They took ___ the company with all its liabilities.
12. The new manager gets ___ well with his colleagues.
13. Please contact me ___ 9.00 am and 10.00 am.
14. Pursued by his enemies , he swam ___ the river to safety.
15. They drove him ___ the city in their new car.
16. ___ other things they found an old sword near the ruins of the building.
17. He flew ___ a rage when he was challenged.
18. The outgoing manager will hand ___ the charge to the newcomer.
19. Her request for a transfer was turned ___.
20. The five players quarreled ___ themselves.
21. He was unwilling to take ___ the challenge.
22. He was let ___ after a fine.
23. The principal called ___ an explanation.
24. Where did you come ___ this word?
25. The Chairman assured the committee that he would look ___ the matter.



ENGLISH - II PROJECT FOR

THE MERCHANT OF VENICE

TOPIC 1 (WORD LIMIT 600 WORDS)

With close reference to the text:

Attempt an analysis of the friendship shared by Antonio and Bassanio based on the following points

- a) Bassanio's friendship for Antonio seems genuine enough though there is a certain element of calculating charm.
- b) Bassanio inherited a small patrimony which he soon squandered.
- c) Bassanio eager to go to Belmont and try his luck to win the heiress Portia.
- d) Bassanio desired to hold a rival place with all the other suitors. Bassanio's intention to woo Portia cannot be considered to be purely romantic
- e) Bassanio confessed disabling his estate and his desire to clear off all the debts he owed.
- f) Bassanio tactfully mentioning the childhood experiment.
- g) Antonio requesting Bassanio to raise the money with himself as guarantor.
- h) The signing of the SINGLE BOND.

TOPIC 2 (WORD LIMIT 600 WORDS)

Bring out the hatred and animosity between Shylock and Antonio based on the following points

- a) Antonio very considerate towards those who require assistance, behaves most irrationally towards Shylock.
- b) Antonio's impersonal distaste for Shylock turns into open expressions of insulting prejudice.
- c) Antonio's prejudices against Shylock is symbolic of the Christian feelings towards all Jews.
- d) Shakespeare's balanced portrayal showing how the persecuted themselves (Shylock) in turn become persecutors.



FIRST TERM PHYSICS SYLLABUS

Chapter-(1) Force

2) Work , Energy and Power

(3) Machines

(4) Refraction of Light at Plane Surfaces.

(11) Calorimetry

PHYSICS ASSIGNMENT

Assignment for class X

* Solve the numerical from Exercise 1(A) of Chapter 1- Force

*Read the chapter

* Draw labeled diagram of examples showing Torque and Couple.

*** Answer for the questions should be solved in sheets of paper of the size of school exercise copy.

Physics project

Make a project on any one of the following topics.

(a) Atomic structure and Radioactivity.

(b) Calorimetry and Calorimeter.

(c) A.C Generator and d.c motor as application of electromagnetism.

(d) Refraction of light at plane surfaces.

Note-- Page limit- not more than 15 pages including content, acknowledgement, bibliography, conclusion. Project should include graphs, diagrams and pictures.



GEOGRAPHY SYLLABUS

Chapter 4-- Climate of India

Chapter 5-- Soils in India

Chapter 6-- Natural Vegetation of India

Chapter 12--- Waste Generation and Management (Sections A,B,C,D)

Map pointing from page no.--62 to 72.

Read these chapters and complete the exercises given at the end of each chapter.
Practice map pointing. Please refer your workbook too.

GEOGRAPHY ASSIGNMENT

Select any one topic from the following

1)Waste management..Sources of waste generation, Classification of wastes,Impacts of waste accumulation,Methods of safe disposal of wastes,need for waste management and different methods used.

2)Transport in India.. Importance, advantages and disadvantages of different modes of transport.. Roadways, Railways, Airways and Waterways.



HISTORY & CIVICS HISTORY

SYLLABUS- TERM I

1. The Revolt of 1857- The First War of Independence
2. The Growth of Nationalism

CIVICS

1. The Union Legislature
2. The Union Executive

ASSIGNMENT- HISTORY & CIVICS

Read the following chapters and prepare notes on the given topics.

THE UNION LEGISLATURE

The Lok Sabha

- Term, composition, qualifications for membership.
- Parliamentary procedures- sessions, quorum, question hour, adjournment and no- confidence motion.
- Speaker- election and functions.

The Rajya Sabha

- Composition, qualifications for membership, election, term , presiding officer.
- Power and functions of the Union Parliament.- legislative, financial, judicial, electoral, amendment of the Constitution, control over executive. Exclusive powers of the two houses.

THE UNION EXECUTIVE

The President

- Qualifications for election, composition of Electoral College, Indirect election- reason, term of office, impeachment- procedure.
- Powers- executive, legislative, financial, judicial, discretionary and emergency.

The Vice- President

- Qualifications for election, term of office and powers.

Prime Minister and Council of Ministers



- Appointment, formation of council of Ministers, tenure,
- Functions- policy making, administrative, Legislative, Financial, emergency powers.
- Position and powers of the Prime Minister.
- Collective and individual responsibility of the members of the Cabinet.
- Distinction between the Council of Ministers and the Cabinet.

THE INDIAN NATIONAL MOVEMENT

The First War of Independence, 1857

- Causes -Political, Socio- religious, economic and military.

Factors leading to the growth of Nationalism

- economic exploitation, repressive colonial policies, socio- religious movements(contribution of Raja Rammohan Roy and Jyotiba Phule), role of the press.

PROJECT TOPIC: THE UN AGENCIES

PURPOSE: To enable the students a detailed study of the various UN Agencies

CONTENTS:

1. INTRODUCTION - A glimpse of the world after the World War II and the necessity of the formation of the various UN Agencies.
2. UNICEF - Composition and functions.
3. UNESCO - Composition and functions.
4. WHO - Composition and functions.
5. CONCLUSION - Personal opinion on the working of the UN agencies

Page limit:- 15-18



MATHEMATICS ASSIGNMENT 2020-21

All exercise questions and chapter test of chapters:

1. Matrices

2. Co-ordinate Geometry: Section formula & Equation of a line

3. Arithmetic Progression

4. Mensuration:

Area and volume of solids – Cylinder

Suggested Assignments (to be done in project copy)

Survey of various types of Bank accounts, rates of interest offered

Planning a home budget.



HINDI ASSIGNMENT

Syllabus - class - X [2020-21]
2nd Language Hindi

Term I — साहित्य सागर गद्य भाग —

गद्य → L- 7, 8, 1, 2 [Revision chapter]

पद्य → L- 7, 8, 1, 2 [Revision chapter]

Term II — गद्य → 9, 10, 3, 6 [Revision chapter]

पद्य → 9, 10 3, 6 [Revision chapter]

Prefinal — गद्य → All chapters

पद्य → All chapters

CLASS - X

हिन्दी भाषा परिचय प्रणाली

Topic — आपका प्रिय चलचित्र [Cinema]

1. भूमिका → चलचित्र का महत्त्व, आधुनिक युग में इसकी लोकप्रियता के कारण

2. मध्य → चलचित्र का नाम और संक्षेप में कहानी

3. विभिन्न पात्र परिचय, उनका अभिनय, दृश्य, संवाद [Dialogue] आम्ने विचार

4. प्रभाव

5. उपसंहार — शिक्षा और लाभ



BENGALI ASSIGNMENT

Syllabus for class X - 2nd language (Bengali)

Term 1

সংকলিতা

গদ্য - দেবতার জন্ম , গিন্নি , লালু , বামা ।

পদ্য -ফুল ফুটুক না ফুটুক , সভ্যতার প্রতি , কুলি মজুর , সিঁড়ি ।

ব্যাকরণ - বাক্য - বাচ্য - উক্তি পরিবর্তন , অশুদ্ধি সংশোধন , এক কথায়
প্রকাশ , বাগধারা , একই শব্দের বিভিন্ন অর্থে প্রয়োগ ।

বোধ পরীক্ষণ ,পত্র রচনা , প্রবন্ধ রচনা ।