



**PRATAP INTERNATIONAL SCHOOL
HOLIDAY HOMEWORK (2021-22)
CLASS XI**

Subject: History.

History is one of the most important disciplines in school education. It is the study of the past, which helps us to understand our present and shape our future. It promotes the acquisition and understanding of historical knowledge in breadth and in depth across cultures.

The course of history in senior secondary classes is to enable to students to know that history is a critical discipline, a process of enquiry, a way of knowing about the past rather than just a collection of facts. The syllabus helps them to understand the process, through which a historian collects, chooses, scrutinizes and assembles different types of evidences to write history.

The syllabus in class-XI is organized around some major themes in world history. In class XII the focus shifts to a detailed study of some themes in ancient, medieval and modern Indian history. CBSE has decided to introduce project work in history for classes XI and XII in 2013-14 as a part of regular studies in classroom, as project work gives students an opportunity to develop higher cognitive skills.

It takes students to a life beyond text books and provides them a platform to refer materials, gather information, analyze it further to obtain relevant information and decide what matter to keep and hence understand how history is constructed.

A. Objectives of Project Work:

Project work will help students:-

- ✓ To develop skills to gather data from a variety of sources investigated diverse

viewpoints and arrive at logical deductions.

- ✓ To develop skills to comprehend, analyze, interpret, evaluate historical evidence and also understand the limitations of historical evidence.
- ✓ To develop 21st century managerial skills of co-ordination, self-direction and time management.
- ✓ To give a multidisciplinary approach to topics.
- ✓ To learn to work on diverse cultures, races, religions and lifestyles.
- ✓ To learn through constructivism a theory based on observation and scientific study.
- ✓ To inculcate a spirit of inquiry and research.
- ✓ To communicate data in the most appropriate form using a variety of techniques.
- ✓ To provide greater opportunity for interaction and exploration.
- ✓ To understand contemporary issues in context to our past.

B. Assessment of the Project Work

Sl No	Allocation of Marks	Division of Marks
1	Project synopsis	2 Marks
2	Data/Statistical analysis/Map work	3 Marks
3	Visual/overall presentation	5 Marks
4	Analysis/explanation and interpretation	5 Marks
5	Bibliography	1 Marks
6	Viva	4 Marks
Total Marks		20

Make a Project on any one Civilization of the world.

- i. Indus Valley Civilization.
- ii. Mesopotamian Civilization.
- iii. Egyptian Civilization.
- iv. Chinese Civilization.

With special reference to the following aspects:

- Source available.
- Extent of the civilization.
- Reason for the decline.
- Compare the Indus Valley Civilization towards the Mesopotamia on the basis of their town planning.

General Instructions:

1. Project can be individual/ pair/ group of 4-5 each.
2. It should be a handwritten project on a A4 size sheet.
3. Project should be summed up in 10-15 pages. (in case of pair and group the no. of pages can exceed to 20-25)
4. It should be well researched based on facts and figures and pictorial.

5. The project must have a Table of contents, Title/ Cover page, Acknowledgement, Bibliography, Analysis with headings and sub-headings.
6. It must include relevant news clippings, facts and figures, and pictures.
7. You can plan a survey or an interview to support your research.
8. As per CBSE suggestive list of activities are Role Play, Presentation, Model, Field Survey, Mock Event etc.
9. Read and revise the chapters taught in the class. Answer the questions sent through the worksheet.
10. Read the newspaper daily especially the editorial.

Answer the following questions:

1. Discuss the extent to which hunting and constructing shelters would have been facilitated by the use of language. What other modes of communication could have been used for this activity.
2. Human and mammals such as monkeys and apes have certain similarities in behavior and anatomy. Justify the statement.
3. Discuss the Human Evolution process.

Subject: Political Science.

Political Science Project- Prepare a project according to CBSE guidelines.
Topics as discussed in the classroom. Some suggested topics are:

1. Globalization.
2. India relation with Russia.
2. India relation with Pakistan.
3. India relation with Bangladesh.
4. India relation with China.
5. Fundamental Rights.
6. India's role in United Nation.
7. Role of Local Governments under the Indian Constitution.
8. Indian Constitution and separation of Powers.
9. Terrorism.
10. Election process in India.

General Instructions:

1. Project can be individual.
2. It should be a handwritten project on a A4 size sheet.
3. Project should be summed up in briefly. (in case of pair and group theno. of pages can exceed to 20-25)
4. It should be well researched based on facts and figures and pictorial.
5. The project must have a Table of contents, Title/ Cover page, Acknowledgement, Bibliography, Analysis with headings and sub-headings.
6. It must include relevant news clippings, facts and figures, and pictures.
7. You can plan a survey or an interview to support your research.
8. As per CBSE suggestive list of activities are Role Play, Presentation, Model, Field Survey, Mock Event etc.

Students should prepare the Political Science Project under the following headings:-

1. Acknowledgement
2. Index
3. Cover page
4. Project synopsis
5. Data/Statistical analysis/Map work
6. Analysis/explanation and interpretation.
7. Bibliography

Answer the following Questions:

1. Politics is more than what politicians do. Do you agree with this statement? Give examples.
2. Vigilant citizens are must for the successful working of Democracy-justify.
3. What do you mean by political theory?
4. Why the study of political theory is important in present days?

PRATAP INTERNATIONAL SCHOOL

CLASS 11TH

HOLIDAY HOME WORK

SUBJECT:- PHYSICS

(A) Do the Assignment in your Notebook:-

1. If the unit of force is 100N, unit of length is 10m and unit of time is 100s. What is the unit of Mass in this system of units?
2. Using dimensions convert (a) 1 newton into dynes (b) 1 erg into joules.
3. Give limitations of dimensional analysis.
4. Describe the Parallax Method for the determination of the distance of a nearby star from the earth.
5. Define the following units :(i) Lightyear (ii) Parsec(iii) Astronomical unit (Au)
6. Distinguish between the terms precision and accuracy of a measurement.
7. Explain
 - (i) absolute error (ii) mean absolute error(iii) relative error (iv) percentage error
 - (v) random error
8. The sides of a rectangle are (10.5 ± 0.2) cm and (5.2 ± 0.1) cm. Calculate its perimeter with error limits.
9. 5.74 g of a substance occupies 1.2 cm^3 . Express its density to correct significant figures.
10. The length of a rod as measured in an experiment was found to be 2.48m, 2.46m, 2.49m, 2.50m and 2.48m. Find the average length, absolute error and percentage error. Express the result with error limit.

(B) Prepare an Investigatory Project based on the any topic from NCERT Textbook.

PRATAP INTERNATIONAL SCHOOL
CLASS 11TH
HOLIDAY HOME WORK
SUBJECT- MATHEMATICS

Do the Questions in your Notebook:-

1. An engine is travelling along a circular railway track of radius 1500 metres with a speed of 60 km/hr. Find the angle in degrees turned by the engine in 10 seconds.

What role does railways play in India's transportation system especially for goods?

(Value Based)

2. If the arcs of the same length in two circles subtend angles of 65° and 110° at their respective centres, find the ratio of their radii.
3. Large hand of a clock is 21 cm long. How much distance does its extremity move in 20 minutes ?
4. The minute hand of a watch is 1.5 cm long. How far does its tip move in 40 minutes? Use $\pi = 3.14$.
5. Find the angles in degrees through which a pendulum swings if its length is 50 cm and the tip describes an arc of length :

(i) 10 cm (ii) 16 cm (iii) 26 cm $\left(\text{use } \pi = \frac{22}{7}\right)$.

6. Find the length of an arc of a circle of radius 75 cm that spans a central angle of measure 126° . Take $\pi = 3.1416$.

7. If $\sin x : \cos x :: \sqrt{3} : 1$, find $\sin x$, $\cos x$.

8. If $\cos x = -\frac{3}{5}$ and $\pi < x < \frac{3\pi}{2}$, find the other t-ratios and hence evaluate $\frac{\operatorname{cosec} x + \cot x}{\sec x - \tan x}$.

9. If $\tan x = -\frac{4}{3}$, find the value of $9 \sec^2 x - 4 \cot x$.

10. Find the length of an arc of a circle of diameter 20 cm which subtends an angle of 45° at the centre.

**ADRIEL HIGH SCHOOL
HOLIDAY HOMEWORK
SESSION-2021-2022
SUBJECT-ACCOUNTANCY
CLASS-XI**

Q.1 Accounting

- (a) includes Book Keeping (b) does not include Book Keeping
(c) may or may not include Book keeping (d) None of these

Q.2 Which of the following will not recorded in the books of account?

- (a) Sales of goods (b) Payment of salary (c) Quality of staff (d) Purchase of goods

Q.3 Transactions are posted into ledger account from

- (a) Vouchers (b) Journal book (c) Bank Statement (d) None of these.

Q.4 Basic function of financial accounting is to

- (a) record all business transactions (b) interpret financial data
(c) assist the management (d) None of these

Q.5 Which of the following is not an internal user of financial statements?

- (a) Board of Directors (b) Managers (c) Employees (d) Lenders

Q.6 Resignation by a Marketing Manager is not recorded in the books of account. Why?

Q.7 Book keeping is not a part of accounting. Do you agree with the statement?

Q.8 Recording the transactions and events correctly and preparing financial statement are the only objectives of accounting. Do you agree?

Q.9 Give the meaning of Accounting.

Q.10 What are the steps involved in the process of accounting?

Q.11 List any three functions of Accounting.

Q.12 Define Book Keeping.

Q.13 What is the function of book keeping.

Q.14 What is the difference between Book-keeping and Accounting?

Q.15 Name any four objectives of Accounting.

Q.16 Name any two external user of accounting information.

Q.17 What are the two accounting systems to record financial transaction in the books of account?

Q.18 Define Accountancy.

Q.19 What are difference between Accounting and Accountancy.

Q.20. What are the advantages and limitations of Accounting?



**ADRIEL HIGH SCHOOL
HOLIDAY HOMEWORK
SESSION-2021-2022
SUBJECT-BUSINESS STUDIES
CLASS-XI**

- Q.1 What is the primary objective of business?
- Q.2 What do mean by economic activities?
- Q.3 What do mean by non-economics?
- Q.4 List five most important difference between economic and non-economic activities.
- Q.5 State the main difference between business and profession.
- Q.6 Name the economic activity which is guided by code of conduct.
- Q.7 Which of the three economic activities can be started without any investment at all?
- Q.8 Give three example of profession.
- Q.9 Discuss difference between Business, Profession and Employment on the basis of nature of work.

Identify & name the objective achieved in the following Business activities:

- Q.10 Setting up a school to deal with Autism.
- Q.11 Opening up a cafeteria in the factory premises.
- Q.12 Importing blood pressure monitors from china at rates cheaper than the price available in India.
- Q.13 New machinery installed in order to increase production and develop new markets.
- Q.14 A business corporate manufacturing medical devices introduces a blood pressure monitoring system with a unique feature of irregular heart beat alarm.
- Q.15 Which types of people like to engage in business and why?
- Q.16 Name and explain two characteristics of business which involve possibility of loss.
- Q.17 State the different types of economic activities.
- Q.18 Why business is considered an economic activity?
- Q.19 Only sale or exchange of goods for profit is business. Do you agree? Support your answer with reasons.
- Q.20 Risk in business is not by choice but a compulsion. Comment.

**ADRIEL HIGH SCHOOL
HOLIDAY HOMEWORK
SESSION-2021-2022
SUBJECT-ECONOMICS
CLASS-XI**

Q.1 Which of the following is not concerned with the problem of choice?

- (a) Excessive income (b) Alternative use of resources
(c) Unlimited wants (d) Limited(scarce) resources

Q.2 Normative economics deals with:

- (a) facts (b) opinions (c) both(a) and (c) (d) none of these

Q.3 Which of the following is the example of economic activity?

- (a) Production (b) Consumption (c) Exchange (d) All of these

Q.4 The Government does not interfere in the process of decision- making under:

- (a) market economy (b) centrally planned economy (c) mixed economy (d) all of these

Q.5 Positive economics involves statements which are:

- (a) verifiable (b) not verifiable
(c) may or may not be verifiable (d) none of these

Q.6 Choice is the outcome of _____.

Q.7 Study of economy as a whole is called _____ economics.

Q.8 Microeconomics studies the economic activities of _____ units.

Q.9 _____ is a system by which people of an area earn their living.

Q.10 In _____ economy, private sector dominates the economic activity.

State whether the following statement are true or false: (Q.11 to Q.15)

Q.11 Scarce means are called wealth.

Q.12 Study of microeconomics assumes that macro variables remain constant.

Q.13 Macroeconomics studies economic problems at the level of the economy as a whole.

Q.14 Normative statements involve value judgement.

Q.15 In centrally planned economy, economic decisions are driven by the motive of profit maximization.

Q.16 Why is choice essential in the study of economics?

Q.17 What is meant by an economy? What are its different types?

Q.18 Define the subject matter of economics.

Q.19 Distinguish between a centrally planned economy and a market economy.

Q.20 Distinguish between microeconomics and macroeconomics.

ग्रीष्मावकाश कार्य
कक्षा ग्यारहवीं
विषय हिंदी

प्रश्न १ ऑनलाइन शिक्षा का महत्व विषय पर एक अनुच्छेद लिखिए।

प्रश्न २ आप की पाठ्यपुस्तक आरोह व वितान में आए विभिन्न कवियों व लेखकों के चित्र एकत्रित कीजिए और एक कोलाज बनाइए।

प्रश्न ३ भारत की कोकिला श्रीमती लता मंगेशकर जी के विभिन्न गानों को एकत्रित करके एक मैगजीन तैयार कीजिए।

प्रश्न ४ हजारी प्रसाद द्विवेदी जी के बारे में जानकारी एकत्रित कीजिए और एक परियोजना तैयार कीजिए।

प्रश्न ५ प्रेमचंद जी की किसी एक कहानी या उपन्यास को पढ़िए और उसकी समीक्षा कीजिए।



**ADRIEL HIGH SCHOOL
HOLIDAY HOMEWORK
SESSION-2021-2022
English Class 11**

1. Read the book 'The Canterville Ghost' by Oscar Wilde and summarise it.

Write about the character of 'Sir Simon de Canterville' or 'Mrs. Lucrezia Otis'.

2. Khushwant Singh says 'I could hear her reciting her prayers' his grandmother spent most of her time praying. Prayers rightly said 'one single graceful thought raised to heaven is the most perfect prayer'. Write an article in 150 to 200 words on the importance of prayer in our lives.

3. Write the summary of the chapter

'Voice of the Rain'

'A Photographer'

4. Make a video clipping of advertisement of any product.

5. Prepare your speeches of 1 minute speech on the topic of your choice for the purpose of ASL.



Holiday Homework
Class XI
Session 2021-22
PHYSICAL EDUCATION

Practical File:

Practical-1: Labelled diagram of 400M Track & Field with computations

Practical-2: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratna Award)

Practical-3: Pictorial presentation of any five Asanas, write the Procedure for Asanas, Benefits & Contraindications also.

Practical-4: Any one game of your choice out of the list above. Labelled diagram of field & equipment (Rules, Terminologies & Skills)

* Athletics, Archery, Badminton, Boxing, Chess, Judo, Shooting, Skating, Swimming, Taekwondo, Tennis, Aerobics, Gymnastics, Rope-Skipping, Yoga, Bocce & Unified Basketball

Assignment (notebook):

Q.1 what do you mean by sports journalism?

Q.2 what is the objective of physical education?

Q.3 Discuss the teaching career in physical education.

Q.4 Make 20 M C Q from chapter 1 (Changing Trends and Career in Physical Education)

Q.5 Make a balanced diet plan for teenagers for 4 weeks.



ADRIEL HIGH SCHOOL
Holidays Homework for Class XI (2021-22)
Subject: Chemistry.

A. Make a investigatory project on any one of the following topic

- 1) On green chemistry- Bio-diesel and bio-petrol
- 2) On sterilization of water using bleaching powder
- 3) On analysis of fertilizers
- 4) On measuring the amount of Acetic acid in vinegar
- 5) On determination of contents of cold drinks
- 6) To study the quantity of casein in milk
- 7) On presence of insecticides and pesticides in fruits and vegetables
- 8) On preparation of soyabean milk
- 9) On study of rate of fermentation of juices
- 10) Determination of caffeine in tea samples
- 11) Determination of content of toothpaste
- 12) Dyeing of wool, silk and cotton in malachite green
- 13) Effect of Potassium Bisulphite as a food preservatives

Things should be mentioned:

- a) Aim
- b) Apparatus required
- c) Chemicals used
- d) Principle
- e) Procedure
- f) Observation table
- g) Result
- h) Precautions

B. Learn the given chapter thoroughly and do practice of NCERT and extra question from these chapters in chemistry notebook.

* Some basic concepts of chemistry



PRATAP INTERNATIONAL SCHOOL

SESSION 2021 – 22

Class XI

Subject: Biology

1. Experiments for spotting.

Draw and write the observation of the following specimen in your Biology Practical file.

1. Parts of a compound microscope.

2. Specimens/slides/models and identification with reasons - Bacteria
Oscillatoria, Spirogyra, Rhizopus, mushroom, yeast, liverwort, moss, fern, pine,
one monocotyledonous plant, one dicotyledonous plant and one lichen.

3. Virtual specimens/slides/models and identifying features of - Amoeba, Hydra,
liverfluke, Ascaris, leech, earthworm, prawn, silkworm, honeybee, snail, starfish,
shark, rohu, frog, lizard, pigeon and rabbit.

4. Tissues and diversity in shape and size of plant cells (palisade cells, guard cells,
6 parenchyma, collenchyma, sclerenchyma, xylem and phloem) through
temporary and permanent slides.

5. Tissues and diversity in shape and size of animal cells (squamous epithelium,
smooth, skeletal and cardiac muscle fibers and mammalian blood smear) through
temporary/permanent slides.

6. Mitosis in onion root tip cells and animals cells (grasshopper) from permanent
slides.

7. Different modifications in roots, stems and leaves.

8. Different types of inflorescence (cymose and racemose).

9. Human skeleton and different types of joints with the help of virtual
images/models only.

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HOLIDAY HOMEWORK CLASS 11

This work is based on art integrated project, it means in terms of art you will using basic shapes like circle triangle square, with the help of all this create a human face, for reference I am sharing a picture. Use a3 sheet, poster colours.

