



# MATA JAI KAUR PUBLIC SCHOOL

ASHOK VIHAR PHASE III, DELHI – 110052

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## HOLIDAYS HOMEWORK

SESSION : 2023 – 24

CLASS – XII

### ENGLISH

**Q1) Read the chapters 'Indigo' and 'The Rat-trap'. Identify the theme of both the chapters and write it in your own words (Word Limit: 100 words).**

**Q2) Complete the practise assignment on Job Application and Notice.**

**Q3) ART INTEGRATED ACTIVITY**

Taking ideas from the chapter, 'Deep Water', create a self-help guide exploring any one common type of a fear or phobia and write steps to conquer that fear. Design the self help guide like a brochure using illustrations. The brochure has to be pasted in the register. You can be as creative as you want.

**Q4) Explore the following concepts and draw a mind map for each of these concepts/ words. Note that all these concepts will be helpful in understanding the chapters/poems.**

- *Socialism*
- *Romanticism*
- *Feminism*
- *Racism*
- *Casteism*
- *Satire*
- *Patriarchy*
- *Dramatic Irony*

**Q5) ALS PROJECT**

Utilize the vacations to choose a topic and decide the type of project you would like to research on. You may research briefly on the project. The list of topics will be included in the assignment. This will be followed by a discussion in the class.

### MATHEMATICS

1. Revise chapter 1, 3, 4, 5, 6.
2. Assignments of chapters 1, 3, 4, 5, 6.
3. Write 10 activities in Maths practical file from Maths Lab Manual of class 12.
4. A square piece of cardboard of side 18cm is to be made into a box without top, by cutting a square from each corner and folding up the flaps to form the box. What should be the side of the square to be cut off so that the volume of the box is the maximum possible. Make a 3-D model of the same. (Art Integrated Activity)

### CHEMISTRY

1. Complete NCERT back exercises of chapters 6,7,8 & 9 in the assignment notebook
2. Write a synopsis of the practical investigatory project to be done in the lab
3. Make a PPT on the type and working of the battery used in mobile phones and it's working (Art Integrated Activity)

## POLITICAL SCIENCE

Students to make a project file of 25-30 pages on any of the political topic associated with their curriculum.

The project should be interdisciplinary and cover the historical, geographical and economic aspect of the topic.

Students incorporate flowcharts, map work, relevant newspaper articles, coloured A4 size pictures and caricatures to make the project pictorial, informative and interesting.

Some Suggested topics are -✚

1. NAM- 1961 to present times.
2. Division of Germany with special focus on the construction and dismantling of the Berlin Wall.
3. CIS-Central Asian Republics
4. Disintegration of USSR with special focus on Gorbachev.
5. Arab Spring
6. Cover the negative as well as positive aspects of relationship between India and the following countries. Focus on any one of the following (current updates should be highlighted): a) Relationship between India and Russia b) Relationship between India and China c) Relationship between India and Pakistan d) Relationship between India and Bangladesh
7. ASEAN
8. European Union and BREXIT
9. BRICS
10. SAARC
11. India's Nuclear Policy
12. United Nations with focus on India's candidature in Security Council. 13. UN Agencies – UNICEF, UNESCO, WHO
14. Pandemics: Covid 19- Its global impact (focus on worldwide cooperation and preparedness along with controversies (please collect newspaper clippings for the same)
15. Partition of India-Theory behind it and its legacy
16. Comparison between NITI AAYOG and Planning Commission and their contribution in India's Development.
17. Election 2019- Rise of BJP and Downfall of Congress (1989-2019). 18. Emergency – A blot on Indian Democracy

2) Students to make a map file covering below given maps

- a. All G20 countries (On Political Map of world)
- b. All Gulf Countries (On Political map of world)
- c. All West Asian countries (On Political Map of Asia)
- d. All South East Asian countries (On Political Map of Asia)
- e. All European Countries (On Political map of Europe)
- f. All NATO Countries (On Political map of Europe)
- g. All QUAD Countries (On Political map of World)
- h. All BRICS Countries (On Political map of World)
- i. States ruled by Congress, BJP and others in India (On political map of India)

3) Draft a brief report on the G-20 summit hosted by India, highlighting the agenda, outcomes, locations of summit, member countries participating, commodities promoted in this summit.

Note: This needs to be done in word file (Soft Copy), in-corporate pictures and this report should not be more than 2 pages.

## PHYSICS

1. Project report to be completed.
2. Complete the written work and diagrams in practical files.
3. Complete NCERT back exercises of chapters 2 and 3.
4. Revise the derivations of chapters 2 and 3.
5. Previous year Questions (four 5 marks, four 3 marks) each of chapters 2 and 3.

AIL - Power generating stations in an Island of Lakshadweep, Andaman and Nicobar Islands. Input, Output, efficiency, characteristics of the various step up or step-down transformers used during POWER TRANSMISSION on an A3 size sheet, information supported with diagrams. Share the soft copy first and after corrections get the colored printout.

## BUSINESS STUDIES

Make one Project out of the following:

- Project 1 - Visit to a whole sale market: vegetables/fruits/flowers/grains/garments etc.
  - The students are required to observe the following:
    - Sources of merchandise/Local market practices.
    - Any linked up businesses like transporters, packagers, money lenders, agents, etc.
    - Nature of the goods dealt in.
    - Types of buyers and sellers.
- Mode of the goods dispersed, minimum quantity sold, types of packaging
- Mode of payments.

Project 2 - Visit to a Departmental store

- The students are required to observe the following:
  - Different departments and their lay out.
  - Nature of products offered for sale.
  - Display of fresh arrivals/Promotional campaigns.
  - Spaces and advertisements. Assistance by Sales Personnel.
  - Billing counter at store /Cash, Credit /Card/ Debit Card, swipe facility. Added attractions and facilities at the counter.
  - Additional facilities offered to customers
  - Any other relevant aspect.

Project3 - Make a collection of the following:

- Punch lines and logos of 10 companies
- Business news 25-30 nos of Quarter-1 (April-June)

## PSYCHOLOGY

1. Complete the notes for Chapter 1 and Chapter 2 in your register.
2. Attempt all NCERT questions for Chapter 1 and chapter 2 in your register.
3. Read about causes of stress and the coping strategies to reduce stress from Chapter 3. Illustrate / draw / represent pictorially the coping strategies.

As part of an awareness drive on “Self-care is the first step for positive well-being”, you are required to design posters to reach out to students describing the ways to care for the self. Read and reflect on ways that can be adopted by them and make a poster.

## ECONOMICS

1. Watch following recommended documentaries  
**DEMONETIZATION - Broken History** on world documentary  
**PLASTICS – History 101**  
**THE RISE OF CHINA – History 101**  
**FAST FOOD – History 101**

2. Prepare Mind Maps for the following chapters:  
**Money and Banking**  
**Government Budget**  
**Balance of Payments and Foreign Exchange**  
**Indian economy on the eve of independence**  
**Indian economy (1950 – 1990)**

3. Do the Research Work on selected topics for the Project. (Collect news article for the same)

4. Conduct a brief study based on the following topic:  
**GLOBALIZATION AND THE G20: Analyze the impact of globalization on G20 economies, covering the benefits and challenges of globalization, the role of G20 in promoting free trade and the impact of protectionism on international trade.**

Write a report on your findings in a word document and paste in your register.

## HISTORY

### 1. PROJECT WORK AS MANDATED BY CBSE

#### FEW SUGGESTIVE TOPICS

- The Indus Valley Civilization: Archeological Excavations & New Perspectives
- The History & Legacy of Mauryan Empire
- Mahabharata - The Great Epic of India
- The Origins of Varna System
- The History & Culture of the Vedic Period
- A Comprehensive History of Buddhism
- Buddha & His Philosophy of Life
- A Comprehensive History of Jainism
- Mahavira & His Philosophy of Life
- Travellers, Travelogues & Historians
- Bhakti Movement - Multiple Interpretations & Commentaries
- The Mystical Dimensions of Sufism
- The Philosophy of Guru Nanak Dev
- Kabir & His Vision of Life
- Meera Bai: Devotion, Sentiment & Love
- The Architectural Culture of The Vijayanagara Empire
- Ain-i-Akbari
- Life Of Women in The Mughal Rural Society
- Comparative Analysis of The Land Revenue Systems Introduced by The British in India
- The Revolt Of 1857: Causes, Planning & Coordination, Leadership, Vision of Unity
- Global Legacy of Gandhian Ideas
- Gandhi & The Indian National Movement
- An Insight into The Indian Constitution
- Gender & History
- Historians, Historiography & Sources

## 2.FIELD VISITS AS PER THE TOPIC CHOSEN FOR HISTORY PROJECT FILE

- Heritage Sites
- Museums
- Archives
- Stupas, Temples, Gurudwaras, Sufi Shrines, Viharas.

## 3.ASSIGNMENT

**Question 1.** How do archaeologists trace socio-economic differences in Harappan society?

**Question 2.** The drainage system in Harappan civilization indicates town planning. Support the statement with the help of examples.

**Question 3.** Describe some of the distinctive features of Mohenjodaro.

**Question 4.** Comment on the process of craft production in the Harappan society.

**Question 5.** Waste is one of the best indicators of craft work. Comment.

**Question 6.** Write a brief note on the strategies used by Harappan people for procuring raw materials.

**Question 7.** The Harappan script is considered to be an enigmatic script. Support the statement with the help of examples.

**Question 8.** Discuss the functions that may have been performed by rulers in Harappan society.

**Question 9.** What is stratigraphy?

**Question 10.** What light do seals and terracotta figures supposedly throw on the religious practices of the Harappan people?

**Question 11.** What is epigraphy?

**Question 12.** Write a brief note on James Prinsep's contributions towards early Indian political history.

**Question 13.** Describe the salient features of Mahajanapadas.

**Question 14.** Describe the administrative features of the Mauryan empire.

**Question 15.** What are the sources used by historians to reconstruct the history of the Mauryan Empire?

**Question 16.** What were the main principles of Asoka's Dhamma? Why was it introduced?

**Question 17.** Trace the history of Pataliputra.

**Question 18.** Write a short note on Prayaga Prashasti.

**Question 19.** What are votive inscriptions?

**Question 20.** Describe how numismatists have helped the historians to reconstruct the past of the various kingdoms from the sixth century BCE onwards. What light does it throw on the economy of the time?

**Question 21.** Why is the Mahabharata said to be a dynamic text? Give arguments to support your answer.

**Question 22.** Compare and contrast the ways in which men and women could acquire wealth.

**Question 23.** Why was kanyadana regarded as an important religious duty of the father?

**Question 24.** Describe the origins of the caste system? What strategies were evolved by the Brahmanas to enforce caste norms?

**Question 25.** What is the connection between varna and access to property?

## COMPUTER SCIENCE

### ASSIGNMENT ON Functions (Write programs in Python)

1. WAP to find bigger number of two numbers. 2 numbers will be input in main program. Use a function to return the bigger number.
2. WAP to find Factorial of a number that is entered in main program. Use a function
3. WAP to input 2 integers- base and exponent. Use a function to return base raise to exponent. Assume there is no readymade function.
4. WAP to count positive numbers in the list. In the main program, input the list. Use a function to count positive nos.
5. WAP to input number of terms in fibonacci series in the main program. Use a function that accepts the number of terms as argument and the function is used to display the series
6. WAP to input 2 numbers. Use a function to swap(exchange) their values.
7. WAP to let the user enter temperature and choice whether he/she wants to convert Celcius to Fahrenheit or Vice Versa. Use 2 functions to do as required.
8. WAP to input a list of integers. Display the numbers without duplicates
9. WAP to input a number. Use a function to check whether its a Prime number or not.
10. WAP to pass a list with fruit names to a function. Use a function to print the passed elements of list in separate lines.
11. WAP to input a String in the main program. Use a function to check whether it's a Palindrome or Not.

## INFORMATION PRACTICES

### (Write programs in Python)

- Q1. Given day as [1,2,3,4] and weights on these days as [72,73,71,69.5]. Draw a line graph.
- Q2. India has Scored 14,18,30,6,2,20 runs in 1,2,3,4,5,6 overs and Australia has scored 16,4,6,7,5,12 runs. Plot two line graphs.
- Q3. Show the above data of India Runs as a Bar Graph
- Q4. Number of Bedsheets sold on days is: weekday = ['Sunday', 'Monday', 'Tuesday', 'Wednesday'] sales = [200,150,290,300]. Draw Bar Graph to depict weekday vs Sales
- Q5. If data given is age = [10,25,20,30,36,38, 40,45,50,55]. Draw Histogram to show count of people in different age groups
- Q6. In the Above data take bins = 6 and plot Histogram.
- Q7. In the Above data take bins = 4 and plot Histogram.
- Q8. Given this Salary data [30000,35000,40000,31000,49000,90000], Draw a Histogram to show how many people get salary in various slabs.
- Q9. Draw a Graph to represent class in x axis - [4,5,6,7] and number of participants in Art Contest [6,10,14,13] and number of participants in IT Event [10,12,18,20]

## PHYSICAL EDUCATION

S.No 1 (UNIT-3) - Procedure for asanas, Benefits and Contraindication for any two Asanas for each lifestyle disease.

S.No 2 (Unit-6) - Fitness tests administration

S.No 3 Anyone IOA recognised sport/game of your choice. Labelled diagram of field and equipment. Also mention its rules, Terminologies and skills.

S.No 4 Art integration - kindly make one poster on Nutritive & Non - Nutritive components of diet.  
Unit - 5

Note-Kindly make physical education project file on given topics.

## PAINTING

1. 3 Still Life Size Painting
2. Outdoor Composition

In water Colour medium

## BIOLOGY

1. Make an investigatory project as discussed in class. The project can be:
  - Disease based
  - Analysis based
  - Experimental based

Complete the assignment given in the class. (In notebook)

2. Do research on the types of population interactions found in the Marine system/ coastal terrestrial system or on the biome of Lakshadweep or Andaman and Nicobar Islands and make a PPT.

## HINDI

**\*परियोजना विषय\***

1. \*जीवन जगत की व्यापक अनुभूति और मार्मिक प्रसंगों की अचूक समझ तुलसीदास जी को महाकवि बनाती है\* कथन के आधार पर तुलसीदास जी की काव्यगत एवं शिल्पगत विशेषताओं को चित्रात्मक परियोजना द्वारा दर्शाए।

2. स्त्री- अस्मिता की संघर्षपूर्ण आवाज़ के रूप में पढ़े गए पाठ 'भक्तिन' के आधार पर \*नारी सशक्तिकरण\* को आकर्षक परियोजना द्वारा अभिव्यक्त कीजिए।

अथवा

\*मैं ऐसे धर्म को मानता हूँ जो स्वतंत्रता, समानता और भाईचारा सिखाता है\* आंबेडकर के इस कथन के आधार पर श्रम विभाजन और जाति प्रथा तथा मेरी कल्पना के आदर्श समाज के स्वरूप को एक आकर्षक चित्रात्मक परियोजना द्वारा रेखांकित कीजिए।

## PUNJABI

ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰਾਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦਿਓ ਅਤੇ ਚਿੱਤਰ ਚਿਪਕਾਓ । (make a file of 8-10 pages)

## GEOGRAPHY

1) Completion of Geography practical file

- a) Data-its source and Compilation
- b) Data Processing
- c) Graphical representation of Data
- d) Spatial Information Technology

2) Assignment related to chapter (1 to 4) to be completed in Geography registers

3) Collage and mosaic work with a variety of Coloured papers and coloured printed pictures/ photographs from newspaper and magazine showing Andaman and Nicobar Islands or Lakshadweep Islands Important Geographical locations/ tourist spots

## LEGAL STUDIES

The student is required to do a project on 'Understanding Case Laws'

**OBJECTIVES:** The project work aims to enable students to: identify a legal problem and provide its remedy select relevant legal sources and conduct research analyse and distinguish between types of cases apply case laws and relevant statutory laws.

**METHODOLOGY-:** The student is required to select any 3 decided cases related to the curriculum where one must be civil in nature, one criminal and one constitutional in character.

The research on the cases must include the following points:

Name of the case

Parties to the case

Citation to the case

Bench

Nature of the case (Civil, Criminal or Constitutional)

Facts of the case and issues involved

Decision of the case including Ratio Decidendi and Obiter Dicta

### TASK 2

Make a collage on A4 size sheet on recent verdicts and judicial precedents given by honorable Supreme Court of India.



## ACCOUNTANCY

**Project 1: Comprehensive Project**

**Project 2: Specific Project- Ratio Analysis**

**Project 3: Specific Project: Segment Analysis**

**Instructions:**

- 1. Details of Project: Name of co/Accounting Period/Objective of study/tools used for analysis/steps taken for study work.**
- 2. Case Study/Source Material**
- 3. Processing**
- 4. Analysis: Observations and results**
- 5. Comprehensive Report**

**Important Note:**

**(a) For specific projects the source material should be picked up from a newspaper dated between 1st April'2017 to 31st March 2018.**

**(b) The study material should belong to accounting period 2017-18 only**

***!!! Happy Holidays !!!***