

SONA MODERN PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK (2025-26)

CLASS - 11
Fun “n” Summer

As the school closes for a long summer break from 19.05.2025 to 30.06.2025 which is the most enviable part of school life. It provides time for rest and leisure. Every child enjoys the holidays in laze around, eat, play visits and to revive the things. But duties must not be forgotten. So balance should be maintained between recreation and work. We have planned some activities and work to enhance his/her learning skill in a fun filled way. We have tried to make the work enjoyable. Help your child to do the work. All the holiday homework should be done as per instruction

- ❖ All the given works will be done in the A-4 size sheet and put in the folder made by you with eco-friendly material.
- ❖ The practice work will be done in the copy.
- ❖ Every work should be decorative.
- ❖ At the end write the activity which you like most and why.
- ❖ Students must ensure that the work should be done efficiently as the work will be marked and marks will be added in the result.
- ❖ All children have to learn and complete the work done in the class before holidays..
- ❖ **The school will reopen on 01.07.2025**

ENGLISH

- 1) Cut out Classified Advertisements from Magazines' or Newspapers under the heads :
 - a) Situation vacant
 - b) Situation Wanted
 - c) Sales & Purchase
 - Property
 - Vehicles
 - Household Goods
 - On Rent
 - Lost & Found
 - Missing& Paste them in your English Grammar notebook (2 each)
- 2) Pick up any one lesson : The Portrait Of A Lady or We're Not Afraid to Die Iffrom the book Hornbill & prepare a Project File of 15 to 20 pages with supportive pictures & images.
- 3) Complete the following Worksheets of Acing English Workbook & paste them in the English Grammar notebook *:*
 - Unseen Passage Page No 18 to 25
 - Poster Page No 109 to 111
 - Advertisement Page No 121 to 123
 - Speech Page No 133 to 135
 - Debate Page No 145 to 147

हिंदी

- 1) किसी एक विषय पर परियोजना कार्य तैयार करिए
 - कबीर का व्यक्तित्व और कृतित्व
 - स्वर कोकिला सुश्री लता मंगेशकर
 - जल संरक्षण
- 2) रचनात्मक लेख लिखिए-(शब्द सीमा 120-150)
 - मेरे मोहल्ले का चौराहा
 - अमावस की काली डरावनी रात

- 3) दिल्ली में महिलाओं की सुरक्षा को लेकर चिंता व्यक्त करते हुए किसी प्रसिद्ध समाचार पत्र के संपादक को पत्र लिखें।
- 4) बेबी हालदार के जीवन से प्रेरणा लेते हुए अपनी आत्मकथा लिखें।

MATHEMATICS

- 1) Do the following Graph Decoration activity.
Take an A4 size graph paper. Use your creativity and make a beautiful design. You can colour it also. For Example- Make a project on any five famous Indian mathematician, highlighting their contribution in mathematics on A4 size sheet. Paste their picture also.
- 2) Do activity 1 to 5 of Lab Manual in lab activity notebook.
- 3) Revise Ch- 1 Sets and Ch- 2 Relation and functions from NCERT and do the given worksheet on A4 size sheet.

WORKSHEET

- 1) Write the set $\{x : x \text{ is a positive integer and } x^2 < 40\}$ in the roster form.
- 2) Write the set $B = \{a : n \in \mathbb{N}, a_{n+2} = a_{n+1} + a_n \text{ and } a_1 = a_2 = 1\}$ in the roster form.
- 3) Let $A = \{x : x \in \mathbb{N}, x^2 - 9 = 0\}$ and $B = \{x : x \in \mathbb{Z}, x^2 - 9 = 0\}$. Show that $A \neq B$.
- 4) Let A, B and C be three sets. If $A \subseteq B$ and $B \subseteq C$, is it true that $A \subseteq C$? If not, give an example.
- 5) Two finite sets have m and n elements. The number of subsets of the first set is 112 more than that of the second set. Find the values of m and n.
- 6) If $A = \{3, 5, 7, 9, 11\}$, $B = \{7, 9, 11, 13\}$, $C = \{11, 13, 15\}$ and $D = \{15, 17\}$, find: $B \cap (C \cup D)$
- 7) Let A, B and C be sets. Then show that $\cap(B \cup C) = (A \cap B) \cup (A \cap C)$.
- 8) Using properties of set prove the statement. For all sets A and B, prove that $A \cup (B - A) = A \cup B$.
- 9) Two sets A and B are, such that $n(A \cup B) = 21$, $n(A) = 10$, $n(B) = 15$, find $n(A \cap B)$ and $n(A - B)$.
- 10) Using the properties of sets and their complements prove that: $A \cap (B - C) = (A \cap B) - (A \cap C)$
- 11) For sets A and B, show that: $P(A \cap B) = P(A) \cap P(B)$
- 12) Let $A = \{1, 2\}$, $B = \{3, 4\}$ and $C = \{4, 5\}$, find $(A \times B \times C)$
- 13) If $A = \{1, 2\}$, $B = \{1, 2, 3, 4\}$, $C = \{5, 6\}$ and $D = \{5, 6, 7, 8\}$, then verify that $A \times (B \cap C) = (A \times B) \cap (A \times C)$ & $A \times C$ is a subset of $B \times D$.
- 14) For any sets A and B, prove that $(A \times B) \cap (B \times A) = (A \cap B) \times (B \cap A)$
- 15) If $A \times B = \{(a, 1), (b, 3), (a, 3), (b, 1), (a, 2), (b, 2)\}$. Find A and B.
- 16) If A and B are finite sets such that $n(A) = 5$ and $n(B) = 7$, then find the number of function from, A to B.
- 17) Find the domain of the real function $f(x) = \sqrt{x^2 - 4}$

ACCOUNTANCY

- 1) Prepare Project Work- 1 in a project file.
 - Journalise the transactions
 - Prepare Ledger Accounts
 - Prepare Trial Balance, Trading and Profit/Loss Account and Balance Sheet
 - Also prepare Bar diagram and Pie chart of the respective Project work
- 2) Answer the following questions:
 - What do you mean by Accounting? Explain the advantages of Accounting.
 - What is the role of Accounting in business?
 - Differentiate between Book Keeping, Accounting and Accountancy.
 - Explain the internal and external users of Accounting Information.
 - Accounting provides information about the profitability and financial soundness of the concern. In addition, it provides various other valuable information also. However, Accounting has certain limitations. Explain any 3 of such limitations.
 - 'Capital is a liability for the business.' Explain this statement with the principle applied.

- Why is it necessary for accountants to assume that a business entity will remain a going concern?
 - Discuss the principle based on the premise 'do not anticipate profits but provide for all losses.'
 - What do you mean by International Financial Reporting Standards (IFRS)? State its 2 objectives. Explain Ind-AS Based Financial Statements.
 - Distinguish between Cash Basis of Accounting and Accrual Basis of Accounting.
- 3) Classify the following into Assets, Liabilities, Expenses and Revenues:
Sales, Bank Balance, Debtors, Bank Overdraft, Creditors, Salary to manager, Discount to Debtors, Cost of goods sold.
- 4) Following information is obtained from the books of Mr Shekhawat for the year ended 31st March 2023:
cash sales Rs. 5,20,000
credit sales Rs 1,40,000
Expenses (out of which 60000 is still to be paid) Rs. 4,10,000
Ascertain Net Profit/ Loss of Mr. Shekhawat he adopts on:
- a) Cash Bases of Accounting
 - b) Accrual Bases of Accounting
- 5) Transactions of M/s Vipin Traders are given below:
Show the effects on Assets, Liabilities and Capital with the help of accounting equation:
- | | |
|---|----------|
| • Business started with cash | 1,25,000 |
| • Purchased goods for cash | 50,000 |
| • Purchased furniture from R.K Furniture on credit | 10,000 |
| • Sold goods to Parul Traders (costing 7000 vide bill no. 5674) | 9,000 |
| • Paid cartage | 100 |
| • Cash paid to RK Furniture in full settlement | 9,700 |
| • Cash sales (costing 10000) | 12,000 |
| • Rent received | 4,000 |
| • Cash withdrew for personal use | 3,000 |

BUSINESS STUDIES

- 1) Prepare a project on any 1 consumer goods company or any cooperative organisation
- 2) Do these given questions in your bst notebooks.
 - Why is commerce considered as the backbone of industry and other business activities
 - Why does business need multiple objectives explain any five such objectives?
 - What is the role of profit in business
 - What is hundi explain different types of hundies
 - Why does a businessman willingly undertake business risk?
 - What is the prospectus is it necessary for every company to file a prospectus?
 - Explain all types of cooperative societies
 - Explain memorandum of association and articles of association in detail with all its clauses?
 - Difference between partnership and sole proprietorship?
 - How does a cooperative society exemplified democracy and secularism explain?
- 3) Revise all the chapters taught in class

ECONOMICS

- 1) Make a Project on the topic 'Demand and its Determinants'. **The Project carries 20 marks.**
- 2) State and explain the central problems of an economy.
- 3) Distinguish between positive economics and normative economics. Give an example of each.
- 4) Suppose a consumer whose budget is ₹500 wants to consume only 2 goods, good X and good Y. The goods are respectively priced at ₹ 50 and ₹25. Answer the following questions on the basis of the given information:

- a) State the budget equation of the consumer.
- b) What is the slope of the budget line?
- c) How many units can she purchase if she spends the entire ₹500 on good X?
- d) How many units can she purchase if she spends the entire ₹500 on good Y, given that the price of good Y has doubled?
- 5) Differentiate between Substitute goods and Complimentary goods.
- 6) Define Statistics. Explain the limitations of Statistics.
- 7) State the difference between Primary Data and Secondary Data.
- 8) Write a short note on:
 - Census Method
 - Sampling Method

HISTORY

PROJECT WORK

Topics:

- | | |
|--|------------------|
| ➤ The Legacy of Mesopotamia civilization | Roll No. 1 to 5 |
| ➤ The Roman Empire | Roll No 6 to 10 |
| ➤ Three Order, The European Social Structure | Roll No 11 to 15 |
| ➤ Role of Genghis Khan in establishing nomadic empire. | Roll No 16 to 20 |
| ➤ Paths to Modernisation with reference to China and Japan | Roll No 21 to 25 |

NOTE:

- ❖ The project work is to be done individually.
- ❖ Each student to have a separate project file.
- ❖ The project should be minimum of 25-30 pages each.
- ❖ Use colourful sheets for the work and spiral binding.
- ❖ The project must be neat and well-presented and must be completely handwritten.
- ❖ The project should be done on inter leaf A-4 sized sheets.

POLITICAL SCIENCE

Prepare a project according to CBSE guidelines.

Topics

- | | |
|--|-------------------------|
| • Making of Indian Constitution | (Roll No – 01 , 02,23) |
| • Fundamental Rights and Fundamental Duties | (Roll No – 03 ,04 , 24) |
| • Election system in Indian Democracy | (Roll No – 05 ,06,25) |
| • Why do we need parliament? | (Roll No – 07,08,26) |
| • Parliamentary Executives in India | (Roll No – 09 ,10,27) |
| • Structure and Jurisdiction of Judiciary in India | (Roll No – 11 ,12,28) |
| • Federal Structure of India Democracy | (Roll No – 13 ,14,29) |
| • Role of Local Government in India | (Roll No – 15,16,30) |
| • Liberty vs Freedom | (Roll No – 17,18,31) |
| • Social Justice: Are ethics followed in Indian Politics | (Roll No – 19,20,32) |
| • History of Rights in politics | (Roll No – 21,22,33) |

FINAL PRESENTATION/LAYOUT OF THE PROJECT

- Section 1: Political Science Project (Title of the Project) Name: School: Year: Roll no.:
- Section 2: Certificate of authenticity (To be pasted) Teacher's Signature
- Section 3: Index
- Section 4: Acknowledgement (Acknowledging the institution, the place visited and the person who has helped.)
- Section 5: Preface: Problem Statement/Objective of the project
- Section 6: Introduction: (Objective/learning outcomes of the project. Introduce the selected topic by giving some historical background)

- Section 7: Summary of the topic Activities done during the project
- Section 8: Observations and Analysis
- Section 9: Conclusion Summarized suggestions of findings/Future scope of study
- Section 10: Appendix Person consulted, Bibliography, Books, Websites, Films/ Television referred.
- Section 11: Values and Life skills learned through the project.

General Instructions:

- 1) Project should be individual only
- 2) It should be a handwritten project on a A4 size sheet.
- 3) Project should be summed up in 30 –35 pages.
- 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, pictures.
- 7) You can plan a survey or an interview to supported your research.

Read and revise the chapters taught in the class.

Learn and write following questions in note book .

- 1) Explain any six functions of the constitution of India .
- 2) Discuss any four features of Constitution of India.
- 3) Why it is said that “Constitution of India is a beg of borrowing”
- 4) What is the need and importance of a Constitution?
- 5) Why should we study political theory?

PSYCHOLOGY

- I. **Prepare a project file.** The project/small study may involve the use of different methods of enquiry like observation, survey, interview, questionnaire related to the following topics:
 - Bullying/Cyberbullying
 - Mental health and wellbeing
 - Impact of social media on the youth today
 - Altruism and its impact on wellbeing
 - Peer Pressure
 - Anger management
 - Sleep Hygiene
 - Changing Gender roles and stereotypes
 - Cooperation and Competition
 - Compliance and Obedience
 - Human Development
 - Learning
 - Memory
 - Motivation
 - Perception
 - Attention
 - Thinking
 - Emotion
- II. Write a reflective essay on your own personality and behaviour, discussing your strengths and weaknesses, significant life events, and how you perceive yourself and others.
- III. Make a table of all the methods of psychological enquiry i.e., observation, experiment, correlational study, survey, etc. Explain the method, types, strengths and weaknesses.

NOTE: Do II and III on A4 size sheets.

GEOGRAPHY

PART1 - PROJECT FILE (Based on CBSE)

Q.1. Make a project on the topics assigned according to students roll number in class and topics have already shared on class group as well and explained in the class.

PROJECT 1

NATURAL HAZARDS AND DISASTERS

PROJECT 2

WORLD CLIMATE AND CLIMATE CHANGE

PROJECT 3

BIODIVERSITY AND CONSERVATION

PART 2 - PRACTICAL WORK

Practical work need to be done in practical notebook

Chapter 1- Introduction to Maps

Chapter 2-Map scale

PART 3 - THEORY WORK

Theory work need to be done in theory notebook

Chapter 3 DRAINAGE

- 1) How are rivers of India useful for the country?
- 2) Explain the evolution of the Peninsular drainage system.
- 3) Differentiate between Himalayan and Peninsular rivers
- 4) Why do rivers on the western coast not form deltas?
- 5) Describe the evolution of the Himalayan drainage system.
- 6) Identify and label the following rivers on the given political map of India:
 - Himalayan rivers-Ganga, Brahmaputra, Indus
 - Peninsular rivers -Tapi,Godavari, Krishna, Narmada, and Mahanadi,kaveri.
- 7) Identify and label the major lakes on political map of India : Wular, Chillika, Sambhar, and Pulicat.

INFORMATICS PRACTICES

PRACTICAL WORK – PYTHON PROGRAMMING)

- 1) Write a program in Python to find and print area of a rectangle
- 2) Write a program in Python to find and print simple interest
- 3) Write a program in Python to check a given number accepted by the user is odd or even
- 4) Write a program in Python to swap values of two variables accepted by the user.
- 5) Write a program in Python to print multiplication table of number accepted by the user.
- 6) Write a program in Python to print factorial of a number accepted by the user.
- 7) Write a program in Python to print sum of individual digits of a number accepted by the user.
- 8) Write a program in Python to reverse digits of number accepted by the user.
- 9) Write a program in Python to check a number accepted by the user is palindrome or not.
- 10) Write a program in Python to check a number accepted by the user is Armstrong or not.
- 11) Write a program in Python to print the following pattern.

```
*
* *
* * *
* * * *
```

- 12) Write a program in Python to print the following pattern.

```
1
1 2
1 2 3
1 2 3 4
```

FINE ART

- 1) Painting Composition (draw any two)
 - Imaginative painting based on subject from life and nature in water and poster colours.
 - i) Affairs of family, friends and daily life
 - ii) Games and sports activities
 - iii) National, religious, cultural, historical and social events and celebrations.
- 2) Objects Study
 - Arrange two or three objects with drapery (Pencil Shading)(half imperial)
 - Draw any two still life (composition) Crayon Colour(half imperial)
- 3) Nature study
 - Draw any two beautiful landscape (water colour)
 - Draw any two nature study object (Ink Pen Black)
- 4) Draw any one beautiful painting (any medium)
 - Madhubani OR Warli Art

CRAFT

MAKE ANY 2

- **Table Lamp** —in this activity you have to use only the waste material.
- Plaster of Paris casting —you have to use the plaster of Paris (POP)and you have to make this activity beautifully..
- Jute craft—you have to make a jute bag or any other objects using jute thread or jute fabric
- Folder making— you have to use old and waste materials.

PHYSICAL EDUCATION

(THEORY WORK) Theory work need to be done in physical education notebook.

- 1) What are the various teaching career in physical education? Discuss the teaching career in detail?
- 2) Elaborate the KHELO INDIA programme in detail?
- 3) Write a short note on Ancient olympic and modern olympic?
- 4) Write a short notes on - olympic moto, olympic flag, olympic flame, olympic award, olympic oath
- 5) Discuss the elements of yoga?
- 6) What do you mean by yoga? Explain its importance in daily life?
- 7) Discuss the objective of adaptive physical education?
- 8) What do you mean by disability etiquettes?
- 9) Define physical fitness and wellness?
- 10) What do you mean by leadership? Discuss the process of creating or making leaders through physical education?

(PRACTICAL WORK)

Practical work needs to be done in practical file.

- 1) Learn and prepare all test (that you have already written in your practical file) SAI KHELO INDIA TEST ?
- 2) Learn, prepare and practice of Two asana of each lifestyle disease (that you have already written in your practical file) Ex- Asanas – benefits, procedure and contradictions?
- 3) Write IOA recognised sport/game of your choice in your practical file and sub mention topic related to your game needs to be follow.
 - Eg – volleyball
 - Diagram of ground/court/track
 - Equipment
 - Rule regulations
 - Terminology & skills
 - Arjun award (any 10)