

SONA MODERN PUBLIC SCHOOL
HOLIDAY HOME WORK (2026-2027)
CLASS -X

ENGLISH

Q1. Watch and listen to English news daily in order to equip yourself with the information and facts to be used as content writing skills.

Q2. “Talk Show with Characters”

Imagine you are hosting a talk show!

- Write a script where:
- You interview 2–3 characters from different chapters of your first flight book.
- Ask them about their decisions, feelings, and regrets
- Example questions:
 - “Why did you make that decision?”
 - “Would you change your actions today?”

Q3 . Alternate Ending Challenge

Pick any one chapter from your footprint or first flight book and :

- Rewrite the ending in your own way
- Make it:

Happier / Sadder / More dramatic

Or give it a twist

Q4. Write one letter on each of the following categories:

- | | |
|---|-------------------------|
| 1. Complaint Letter (Issue and Product) | 2. Placing Order |
| 3 Inquiry Letter | 4. Letter to the Editor |

Note: Do Q 2, 3 and 4 in separate folder

Q5. Portfolio (any one)

1. Literature Quiz Creation

- Make a fun quiz (15 questions) based on your book (First flight or Foot prints)
- MCQs
- True/False
- Riddles (Guess the character!)

2. Character Instagram Profile”

Bring characters into today’s world, Create a social media profile for a character:

Include:

- Bio (personality)
- Posts (important events)
- Captions with emotions
- Comments from other characters

Example:

“Feeling confused after today’s decision...” , Make separate folder for Portfolio.

ART INTEGRATED ACTIVITY

(Language and Literature of Lakshadweep or Andaman and Nicobar Islands)

- Voice of the Island (Roll no 1 to 15)

1. Write a speech as if you are the island.

Example: “I am the island... I have seen history, beauty, and destruction...”

2. Write a creative paragraph:

“If the ocean could speak, what would it say?”

- Mini Story Card. (Roll no 16 to 30)

Write a short story: “The secret I discovered on the island...”

” Add a twist: mystery / adventure / hidden treasure.

- “Two Worlds Dialogue”

(Roll no 31 to 35)

Theme: Contrast writing

Write a conversation between:

A city student v/s An island child

Topics:

- Lifestyle
- Environment
- Happiness

Letter to Future Self. (Roll no 36 to 45)

Write a letter: “Dear Future Me, this is what I experienced on this beautiful island...”

Include feelings, learning, and memories

(Informal letter format)

Make a separate folder for Art integrated activity.

Do activity according to your roll no.

Art integrated activity is compulsory for all students.

हिन्दी

पोर्टफोलियो

पृष्ठ- 1

छात्र की सूचना

छात्र / छात्रा का नाम : _____

जन्म तिथि : _____

छात्र / छात्रा की उम्र : _____

कक्षा व वर्ग : _____

क्रम संख्या : _____

विद्यालय का नाम : _____

विद्यालय में प्रवेश _____

तिथि : _____

विद्यालय में प्रवेश संख्या : _____

लंबाई : _____

भार : _____

रक्त समूह : _____

आधार संख्या : _____

पृष्ठ -2

प्रश्न (1)आपके क्या शौक हैं ?

प्रश्न (2)आपका प्रिय खेल कौन-सा है ?

प्रश्न (3) आप भविष्य में क्या बनना चाहते हैं ?

प्रश्न (4)आपको किस चीज़ से ज्यादा डर लगता है ?

प्रश्न (5) आपको अपने मित्र के कौन से गुण अच्छे लगते हैं ?

पृष्ठ 3

अंडमान निकोबार दीप समूह के कवियों और लेखकों पर परियोजना कार्य तैयार करिए

1-गर्मियों की छुट्टियों में बिताए सुखद पल विषय पर 100 शब्दों में अनुच्छेद लिखिए

2-'जंक फूड शरीर के लिए हानिकारक है,'इस विषय पर जागरूकता हेतु लेख लिखने के लिए किसी

प्रसिद्ध समाचार पत्र के संपादक को पत्र लिखिए

- 3- कबीर दास की कोई पांच सखियां लिखिए जो आपकी पुस्तक में न हो
- 4- पाठ 'बड़े भाई साहब' से 10 मुहावरों के अर्थ लिखकर वाक्य में प्रयोग करें
(उपरोक्त चारों प्रश्नों को व्याकरण कॉपी में करिए)

MATHEMATICS

Q1. Do 15 question each from chapter Real Numbers, Probability, Coordinate Geometry and Statistics (from S.Chand) in a separate notebook.

Q2. Do activity 2, 9, 10, 29, 30, 11, 12, 13, 14, 15, 16 from lab activity book in Lab Manual

AIL Theme: Andaman & Nicobar Islands and Lakshadweep

Prepare an Art Integrated Activity (AIL) on the topics

Flora and Fauna

Literacy Rate among males and females for last three years.

Monuments

Population (religion wise)

You can use Bar graphs, Pie Chart , Histogram etc to represent your data.

State to be taken:

Lakshadweep , Andaman & Nicobar Islands.

Worksheet

EXTRA QUESTIONS

1. Find the HCF of 52 and 117 and express it in form $52x + 117y$.
2. Prove that $x^2 - x$ is divisible by 2 for all positive integer x .
3. If m and n are odd positive integers, then $m^2 + n^2$ is even, but not divisible by 4. Justify.
4. If $\text{HCF}(6, a) = 2$ and $\text{LCM}(6, a) = 60$, then find a .
5. If remainder of $\frac{a}{b}$ is a natural number, then find it.

Probability

1. A bag contains 9 black and 12 white balls. One ball is drawn at random. What is the probability that the ball drawn is black?
2. Find the probability that a number selected from the numbers 1 to 25 which is not a prime number when each of the given number is equally likely to be selected.

3. A bag contains 10 red, 5 blue and 7 green balls. A ball is drawn at random. Find the probability of this ball being not a blue ball.
4. Two dice are thrown at the same time and the product of numbers appearing on them is noted. Find the probability that the product is less than 9.
5. Cards, marked with numbers 5 to 50, are placed in a box and mixed thoroughly. A card is drawn from the box at random. Find the probability that the number on the taken out card is:
 - (i) A prime number less than 10.
 - (ii) A number which is a perfect square.

COORDINATE GEOMETRY

Distance Formula:

Q1. Find the distance between the points A(2, 3) and B(4, 1).

Q2. Origin Distance: Calculate the distance of the point P(-6, 8) from the origin (0, 0).

Q3. Midpoint Calculation: Find the coordinates of the midpoint of the line segment joining the points P(4, -5) and Q(6, 3).

Q4. Section Formula (Basic): Find the coordinates of the point which divides the line segment joining (1, 7) and (4, -3) internally in the ratio 2:3.

Q5. Collinearity: Check whether the points (1, 5), (2, 3), and (-2, -11) are collinear.

Statistics

1. Find the mean, median and the mode of the following frequency distribution.

Class	0-10	10-20	20-30	30-40	40-50	50-60	60-70
Frequency	4	5	7	10	12	8	4

2. Find the mean of the following

Class	200-201	201-202	202-203	203-204	204-205	205-206
Frequency	13	27	18	10	11	12

3. Find the mean of the following data:

Class	0-10	10-20	20-30	30-40	40-50
Frequency	20	24	40	36	25

SCIENCE

1.PROJECT:

Prepare a working model of projector(roll no 1-15)

Prepare a working model of solar oven(roll no 16 onwards)

2.PREPARE A PORTFOLIO FOCUSING ON

The properties

Reactions

Applications of Acids, Bases and Salts

3.Prepare a Power point presentation on any of the following

a)Digestive system (Roll no 1-16)

b)Circulatory system(Roll no 17 onwards)

4. Write the experiment 2,7,10 and 11 in your science practical file.

5.Prepare an Art Integrated Activity (AIL) on the given topics:

National Parks of Andaman and Nicobar (roll no 1-18)

Wildlife sanctuaries of Lakshadweep (roll no 19 onwards)

Note: 2,3 & 5 will be done in separate folder using A4 size sheets.

Worksheets

PHYSICS

1. What is the focal length of a spherical mirror? Or Define focal length in the context of a spherical mirror. Or How is the focal length of a mirror measured?
2. Give the position of object ,when size of image is same as object (in mirror). Or draw the ray diagram when object has same height as image .
3. What causes refraction? Or Why does light bend when entering a different medium? Or What makes light change direction in another substance?
- 4.What kind of image does a convex lens form when the object is beyond 2F?

Or

Describe the image formed by a convex lens if the object is placed beyond twice the focal length.

5. What happens to the image when an object is at the focus of a convex lens?

Or

Describe the image formed by a convex lens when the object is at its focus.

Or

What type of image does a convex lens form at its focal point?

6. What is the focal length of a convex lens?

Or

Define the focal length of a convex lens.

Or

How do you describe the focal length in a convex lens?

7. How does a concave lens affect parallel rays of light?

Or

What happens to parallel rays when they pass through a concave lens?

Or

Explain the effect of a concave lens on parallel light rays.

8. What is the power of a lens with a focal length of 25 cm?

Or

Calculate the power of a lens with 25 cm focal length.

Or

Find the power of a lens whose focal length is 25 cm.

Or

Is the focal length of a convex lens positive or negative?

9. What is the nature of the image formed by a concave lens?

Or

Describe the image formed by a concave lens.

10. What is meant by the term 'refractive index'?

Or

Define refractive index in terms of speed of light in media . State Snell's Law.

CHEMISTRY

CHEMICAL REACTIONS AND EQUATIONS

Q1: Lead nitrate solution is added to a test tube containing potassium iodide solution.

- (a) Write the name and colour of the compound precipitated.
- (b) Write the balanced chemical equation for the reaction involved.

Name the type of this reaction justifying your answer.

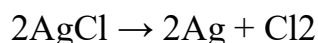
Q2: (i) Define a decomposition reaction. How can we say that (I) electrolysis of Water, and (II) blackening of silver bromide when exposed to sunlight, are Decomposition reactions? Mention the type of energy involved in each case.

(iii) The type of reactions in which (I) calcium oxide is formed, and (II) calcium Hydroxide is formed are opposite reactions to each other. Justify this statement with The help of chemical equations.

Q3: (a) Copper powder is taken in a china dish and heated over a burner. Name the product formed and state its colour. Write the chemical equation for the reaction involved.

(b) Write a chemical equation for the chemical reaction that occurs when the aqueous solutions of barium chloride and sodium sulphate react together. Write the symbols of the ions present in the compound precipitated in the reaction.

Q4: (a) Write the essential conditions for the following reaction to take place and name its types:



(b) Complete the following chemical reaction in the form of a balanced equation:

Q5: (i) While electrolyzing water before passing the current some drops of an acid are added why?

Name the gases liberated at the cathode and anode. Write the relationship between the volume of gas collected at the anode and the volume of gas collected at the cathode.

(ii) What is observed when silver chloride is exposed to sunlight? Give the type of reaction involved.

Q6: (a) Define a double displacement reaction.

(b) Write the chemical equation of a double displacement reaction which is also a (i) Neutralisation reaction and (ii) Precipitation reaction. Give justification for your answer.

Q7: A shining metal 'M', on burning gives a dazzling white flame and changes to a white powder 'N'.

(a) Identify 'M' and 'N'.

(b) Represent the above reaction in the form of a balanced chemical equation.

Does 'M' undergo oxidation or reduction in this reaction? Justify

Q8: What happens when food materials containing fats and oils are left for a long time? List two observable changes and suggest three ways by which this phenomenon can be prevented.

Q9: In the electrolysis of water

(a) Name the gases liberated at the anode and cathode.

(b) Why is it that the volume of gas collected on one electrode is two times that on the other electrode?

What would happen if dil. H_2SO_4 is not added to water?

Q10: A compound 'A' is used in the manufacture of cement. When dissolved in water, it evolves a large amount of heat and forms compound 'B'.

(i) Identify A and B.

(ii) Write the chemical equation for the reaction of A with water.

BIOLOGY

Life processes

1. "All plants give out oxygen during day and carbon dioxide during night ."comment it.

2. In oxygen free containers, two plants are kept separately. One in the dark and other in continuous light. Which of them will survive? Give reason

3. What is the purpose of sending blood to the kidney for filtration?

4.. How many ATPs are produced by complete oxidation of one molecule of glucose?

4. Major amount of water is selectively reabsorbed by tubular part of nephron in humans. What are the factors on which the amount of water reabsorbed depends?

6.. Give reasons

"Fine hairs and mucus are present in the nasal passage."

"Rings of cartilages are present in the throat."

(b) What is mean by ascent of SAP?

(c) What do you mean by double circulation of blood? Draw a diagram of double blood circulation. Show the following :-

- i. Aorta b) pulmonary vein c) pulmonary arteries d) left and right ventricles.

9. "All plants give out oxygen during day and carbon dioxide during night." Do you agree with this statement? Give reason.

3. Make a flow chart if "urine formation" in human beings.

SOCIAL SCIENCE

Prepare a detailed project on the following topics:

***ECONOMICS**

Project 1:- Consumer Rights(Roll No 1 to 15)

(Students may select any one topic related with Consumer Rights. Some suggested topics are given below)

*Different types of consumers rights that you have as a consumer.

*COPRA

*How you can spread consumer awareness.

Project 2:- Social Issues (Roll No 16 to 30)

(Students may select any one topic related with social issues. Some suggested topics are given below)

Gender issue

Caste issue

Economic disparities

Project 3:- Sustainable Development(Roll No 31 to 42 above)

Meaning of sustainable development and

Issue of sustainable development

HISTORY (Worksheet)

1:Describe the changes brought by the French Revolution in Europe.

2:Explain the process of the unification of Germany

3:Explain the process of unification of Italy and Great Britain.

4:"When France sneezes, the rest of Europe catches cold." Explain.

5:Explain the significance of the Treaty of Vienna (1815). Congress of Vienna

6: Describe the vision of Europe as imagined by Frederic Sorrieu.

7:Explain the measures and practices introduced by French revolutionaries to create a sense of collective identity.

8:How did nationalism and imperialism lead to conflict in the Balkans?

9. Explain why the decade of the 1830s is known as 'great economic hardship' in Europe. Give Reasons.

10. What steps did the French revolutionaries take to create a sense of collective identity among the French people?

GEOGRAPHY

ART INTEGRATED PROJECT

***ART INTEGRATED ACTIVITIES ON**

- 1:“Art, Culture and Festivals Celebrations of Nicobarese Tribe”(Roll No 1 to 22)
- 2:“Art ,Culture and Festivals Celebrations of Lakshadweep Tribe”
(Roll No 23 to above 40)

Worksheet

1. Explain the need for resource planning in India.
3. Describe the major types of soils found in India.
4. What are the main cause of land degradation in Punjab?
5. Explain soil erosion and give the steps that should be taken to control soil erosion.
7. Name three states having black soil and the crop which is mainly grown in it.
8. What steps can be taken to control soil erosion in the hilly areas?
9. What do you understand by "sustainable economic development?"
10. Explain the significance of the Rio de Janeiro Earth Summit, 1992. What is Agenda 21?

CIVICS(Worksheet)

1. What were the majoritarian measures adopted by the Sri Lankan government?
2. Why is power-sharing desirable? Give two reasons to support the statement.
3. What are the different forms of power-sharing in modern democracies? Give an example of each of these.
4. Differentiate between horizontal and vertical power sharing.
5. Mention different forms of power sharing.
6. “Power sharing is the very spirit of democracy.” Explain.
7. Explain the ethnic composition of Belgium and Sri Lanka.
8. What is majoritarianism in Sri Lanka? Discuss.
9. Compare the situation of Belgium and Sri Lanka
10. How was the Brussels Government constituted? Explain.

INFORMATION TECHNOLOGY (402)

TOPIC:- DIGITAL DOCUMENTATION (Advanced)

ACTIVITY – 1 :-

Learning Outcome – Create and apply styles in digital document

Objective: Using various commands to create styles in Libre Office Writer.

Task: Type a paragraph with at least 100 words and create below given styles as instructed:

2. Heading: Font name: Font name: Times New Roman, Size: 24 , Colour: Red. Give the style name: Dream Heading (Use create style from selection command to create style)
3. Paragraph: Apply Style Text Body from the Style Gallery
4. Quote: Font Name: Broadway, Size:16, Colour: Blue, Alignment: Center. Give the style name: DreamQuote

ACTIVITY – 2 :-

Learning Outcome – Insert and Use Images in digital document

Objective: Inserting images and shapes and rearranging them using Libre Office Writer.

Task:

1. Create a new document in Libre Office Writer and Type a paragraph.
2. Insert a picture of your choice.
3. Adjust the picture at top left to the paragraph.
4. Insert some shapes and write additional text into the shapes

ACTIVITY – 3 :-

Learning Outcome – Create and use template

Objective: Creating templates in Libre Office Writer and saving for distribution.

Task:

1. Prepare a template for the application writing format.
2. Apply formatting as required.
3. Set this template as a default template.
4. Change the default template to custom template. Change the formatting as you wish

ACTIVITY – 4 :-

Learning Outcome – Create and Customize Table of Contents

Objective: Create and Customize Table of Contents in Libre Office Writer.

Task: Prepare a document with different headings and apply a table of contents to it

(PROJECT WORK)

SUBJECT – INFORMATION TECHNOLOGY (402)

ACTIVITY – 1

Explain communication, types of communication and 7C's of effective communication.

OR

Create a power point presentation on “Communication and types of communication” containing five slides, insert pictures & apply different types of animation to it. Take print out of the presentation and paste it in your file.

ACTIVITY –2

Explain different parts of speech (noun, pronoun, adjective, verb, adverb, preposition, conjunction, interjection) with their examples.

OR

Create a power point presentation on “Parts of Speech” containing five slides, insert pictures & apply different types of animation to it. Take print out of the presentation and paste it in your file.

ART AND CRAFT

ART

1.Object study

Draw a beautiful Portrait (Any Medium)

2. Draw any two Imaginative painting based on subject from life and nature(Water colour)

4.Draw a beautiful landscape (Any Medium)

5.Make a poster on environment day.

CRAFT

•Folder making-- Use eco-friendly paper to make your folder, make sure you can put your things inside.

•Table lamp--by using waste materials and put a light bulb inside.

•Lippan art—. By using waste card board ,moldit clay , acrylic colours and mirrors..

GAMES PRACTICAL FILE

1. Any four yoga Asanas, Benefits and contraindication.
2. Anyone IOA recognised Sports/games of choice. Labelled diagram of field and also mention its rules, Terminologies and skill.