



**MAHARAJA AGRASEN MODEL SCHOOL**  
**CD BLOCK, PITAMPURA, DELHI**

**Class - XI (Session 2024-25)**  
**Homework for Summer Vacation**

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Regarding the submission of Internal Grades for Class XI and XII

- To foster competencies in learners, the curriculum encompasses seven major learning areas, which are: Languages, Humanities, Mathematics, Sciences, Skill Subjects, General Studies and Health and Physical Education. These areas are broadly divided into electives and compulsory areas.

(i) Health and Physical Education:- focuses on holistic development, both mental and physical, understanding the importance of physical fitness, health, well-being and the factors that contribute to them. Learners value and engage in practices that promote physical, cognitive, emotional and social development and well-being. This enables learners to connect different areas of knowledge, application and values with their own lives and the world around them.

(ii) General Studies: The purpose of orienting students to General Studies is to develop in them an appreciation for the holistic nature of knowledge.

- As per the guidelines issued by CBSE, it is mandatory for all the schools to submit internal grades to class XI and XII students in these areas.

- For assessment in these areas, students are supposed to submit the project on any one of the following topics given below.

1. The number of women in the police force seems insufficient, thereby, highlighting the need to have more women in the police force.

2. In many parts of our country girls are still discouraged from going to school.

Consequently, a sizeable section of the population is deprived of education schemes like Sarva Shiksha Abhiyan, CBSE scholarship to the girl child.

3. Advertisements have become a big business. They are promoted by celebrities drawn from various fields like films, sports, etc., leaving their influence on all people especially the young.

4. Present-day youth is greatly stressed due to cut-throat competition and consumerist

culture which requires a suitable solution.

5. Save blue to save green

6. Impact of Meditation and Yoga

- Submission of the project can be in the form of PowerPoint or using Adobe Spark or any other online mode

## **ENGLISH**

With the scent of summer lingering in the air and the promise of adventure beckoning, we extend warmest greetings to each of you. As you eagerly anticipate the joys of summer vacation, it is to gently remind you of the delightful journey that awaits your summer vacation homework. While the allure of leisure may captivate your hearts, remember that amidst the splendour of sunshine and laughter, lies an opportunity to nurture the flames of knowledge. So, as you embark on your summer escapades, may you also embrace the joys of learning, for in the gentle embrace of wisdom, lies the true essence of enrichment. Here's to a season brimming with both joyous exploration and scholarly endeavour!

### **PART A**

#### **ART INTEGRATED LEARNING PROJECT**

Embark on a journey of discovery through the pages of our meticulously crafted brochure, where every stroke of vivid colour and every carefully chosen word serves to unveil the hidden treasures of the Andaman and Nicobar Islands. Behold the azure waters that embrace pristine shores, adorned with lush greenery. Traverse the rugged terrain, where ancient forests whisper tales of mystery and adventure.

Immerse yourself in the rich tapestry of cultures that flourish amidst these idyllic islands, where traditions are woven into the very fabric of daily life, and every smile tells a story of warmth and hospitality. Delve into the depths of history, where remnants of bygone eras stand as silent witnesses to the passage of time, beckoning the curious to uncover their secrets.

From the bustling markets teeming with exotic spices and handcrafted treasures to the serene sanctuaries where time seems to stand still, each corner of the Andaman and Nicobar Islands offers a glimpse into a world unlike any other. Let our brochure be your guide as you embark on an unforgettable odyssey through this paradise on earth.

## **PART B**

1. Crafting a resume for a coveted position on the School Council is an opportunity to weave a tapestry of achievements and aspirations, reflecting a commitment to excellence and a passion for serving the school community. With meticulous attention to detail and a touch of eloquence, let's present a resume that shines brightly, capturing the essence of your candidacy.

Exemplar Resume for School Council Candidature

Name:

Class and Section -

Contact Information: email id:

Objective: To serve as a dedicated member of the School Council, contributing to the enhancement of student experiences, fostering a culture of inclusivity, and facilitating positive change within the school community.

Qualification

Percentage-

- Academic Achievements: [List any notable academic accomplishments]

Extracurricular Activities:

- [Activity Name or Position Held]: [Brief description of involvement and contributions]

Leadership Experience:

- [Position Held]: [Brief description of responsibilities and achievements]

Volunteer Experience:

- [Organization Name or Cause]: [Brief description of involvement and impact]

Skills:

- [Skill 1]: [Brief description or example of proficiency]

May this resume serve as a testament to your dedication, enthusiasm and vision for shaping a brighter future for the school community.

2. Revise all the chapters and writing skills taught in the class.

3. I urge you to indulge in the enriching experience of perusing the pages of an English newspaper each day amidst the tranquil days of summer break.

## MATHEMATICS

A) Complete MCQ and Subjective assignments of the following chapters:

1. Sequence and Series
2. Trigonometric Functions

B) Art Integration Project(Andaman and Nicobar Island)

Make a wall hanging or a jewellery item using coloured shells depicting Geometric Progression

OR

Take an A4 size sheets. Using jute threads and pasting material to make beautiful patterns depicting Geometric Progression

C) Complete Practical file (Activity 1 to 10)

## PHYSICS

1. Prepare your practical file record in advance. Write all 15 experiments and 6 Activities as per '[syllabus 2024](#)' loaded on your school website, using the Lab Manual and teacher support material or class WhatsApp group.
2. Prepare a PowerPoint presentation (ppt.) on any three fully explored topics of your interest in physics (within the framework of the CBSE curriculum)

*Note:*

- 1. PPT must consist of a minimum of 20 slides*
  - 2. PPT can be done in groups of maximum 3 students.*
3. Solve assignments loaded on school eye or Whatsapp class-subject group.

## CHEMISTRY

### Part A

1. Completion of Art Integrated Project

THEME: Demonstrate various concepts of Chemistry using different art tools of Lakshadweep, Andaman and Nicobar Islands.

Make a PPT for the project:

- Guidelines:

1. The presentation should be of 10-15 slides

i) Slide one – Name of the School, subject, name of the student, class and section.

ii) Slide two- Index (by using Table)

iii) Slide three- Introduction of your topic

iv) Slide 4 to 10 or 15 - Content

Kindly email the PPT at the respective subject teacher's email ID

[priyanka.garg@agrasenschool.com](mailto:priyanka.garg@agrasenschool.com)

[mini.aggarwal@agrasenschool.com](mailto:mini.aggarwal@agrasenschool.com)

### Part B

2. Complete Assignment register for the following chapters:

Some Basic Concepts of Chemistry

Structure of Atom

3. Compile all the formulae of Units 1 and 2 on A-4 size sheet with proper headings and make it impactful.

## **BIOLOGY**

### Part A

1. Art Integration Learning Project Design a Catalog (using Adobe Spark, Microsoft Office etc.) on 'Ornithology of Lakshadweep and Andaman and Nicobar group of Islands or Biodiversity. Include photographs of species, diversity of Birds studying their environment, habitat, evolution, and several other aspects of bird life. Write their common name, scientific

name and a little description about it. (Maximum 10-12 slides). Kindly email the brochure to [neha.sanan@agrasenschool.com](mailto:neha.sanan@agrasenschool.com)

#### Part B

2. Design an Investigatory project on any one topic related to Biology under the following headings:
  - First page- topic, submitted to/submitted by
  - Certificate
  - Acknowledgement
  - Contents
  - Introduction
  - Theory
  - Observation
  - Conclusion
  - Data statistics/analysis
  - Bibliography
3. Complete the Biology Practical File for Section A and Section B experiments.
4. Complete Assignment registers for the following chapters: Body fluids and Circulation, Breathing and Exchange of Gases, Cell-The Unit of Life, Cell Cycle and Cell Division.

### **COMPUTER SCIENCE**

#### Task 1: Art Integrated Learning Project

Prepare a Python quiz / Game on general awareness about the Andaman and Nicobar Islands. The quiz must include a minimum of 10 questions, and a score should be displayed.

#### Task 2:

- Complete the Data Conversion and If statement assignment in your Computer Science notebook.

### **ECONOMICS**

(a) As part of the guidelines by the CBSE, all students are required to prepare Art- integrated projects under the "Ek Bharat, Shrestha Bharat Programme." For CBSE Art Integrated Learning and Project Work, Academic Session 2024-25, Delhi has been paired with Lakshadweep, Andaman & Nicobar Islands. Students have to work in a group of 4 to 5.

Collect data on the topic assigned to your group and present it in the form of graphs/diagrams on an A-4 size sheet. The presentation should be done artistically and creatively.

Group 1- Population of Lakshadweep, Andaman & Nicobar Islands

Group 2- GDP of Lakshadweep, Andaman & Nicobar Islands

Group 3- Agricultural output of Lakshadweep, Andaman & Nicobar Islands.

Group 4-Industrial output of Lakshadweep, Andaman & Nicobar Islands

Group 5-Poverty in Lakshadweep, Andaman & Nicobar Islands

Group 6-Tourism in Lakshadweep, Andaman & Nicobar Islands

Group 7- Birth rates in Lakshadweep, Andaman & Nicobar Islands

Group 8- Death rates in Lakshadweep, Andaman & Nicobar Islands

Group 9-Sex ratio in Lakshadweep, Andaman & Nicobar Islands

(b) Complete the assignments given.

- A-1 Chapter 'Introduction-Microeconomics'
- A-2 Chapter 'Introduction to Statistics and
- A-3 Chapter 'Collection of Data'

## **Accountancy**

### Part A

1. Complete the following Art integrated project - Design book cover page of accountancy (you can use any app) for the year 2023-24 based on



Lakshadweep, Andaman & Nicobar Islands. You can do this work in groups (4-5).

Part B

1. Complete the following assignment-  
Accounting equation

## **BUSINESS STUDIES**

PART A

Art Integration Work

Do any 1 of the following-

Prepare a poster on an A4 size sheet on any of the following

- (a) Main industries of Andaman and Nicobar Islands or Lakshwadeep.
- (b) Business and agriculture of Andaman and Nicobar Islands or Lakshwadeep.

Prepare a crossword or collage A4 sheet depicting the agenda and activity areas covered under G20

PART B

1. Select any 10 Indian companies across various sectors (like banks, insurance companies, automobiles, pharmaceuticals, consumer goods, etc.). Give information about their punchline and logo. (Assignment register)
2. Complete the assignments of the chapter:  
Forms of business.
3. Preparation of Project file according to CBSE guidelines.

## **POLITICAL SCIENCE**

A- Art integration

Design a brochure about the political system/life of Andaman Nicobar Islands.

B- Complete the project file according to CBSE guidelines.

Do the assignments given in class.

## **PSYCHOLOGY**

### Part A

#### Crafting Organic Mandalas

Using natural materials such as shells, leaves and flowers create mandalas inspired by the natural beauty of the Andaman and Nicobar Islands. Also create an informative e-brochure using pictures, reflecting on the calming and therapeutic effects of nature on mental well-being.

Kindly email the brochure to [sahiba.malhotra@agrasenschool.com](mailto:sahiba.malhotra@agrasenschool.com)

### Part B

1. Complete assignments and NCERT question answers of the following chapters: Chapter 1- What is Psychology, Chapter 2- Methods of enquiry in Psychology.
2. Prepare one A3 size poster and one model on any of the following topics: Life Skills, Mental Health, Importance of Nutrition, Gender Equality, Health and well-being, Importance of Physical Education, Child rights, Positive parenting, Anti-bullying, Inclusive Education for all, Prevention of substance abuse, Importance of media, Cyber Security.
3. Design a psychological game on any one topic exploring Human Development, Learning, Memory, Motivation, Perception, Attention, and Thinking, etc.

## **GEOGRAPHY**

Art-Integrated Homework for Class XI Geography Students.

Objective:

This integrated homework aims to combine geographical knowledge about the Andaman and Nicobar Islands and Lakshadweep Islands with artistic exploration, fostering creativity and a deeper understanding of these unique geographical regions.

### Task 1: Geographical Sketches

#### Andaman and Nicobar Islands Sketches:

Create a series of sketches depicting the diverse landscapes of the Andaman and Nicobar Islands. Include iconic features such as beaches, coral reefs, tropical rainforests, and indigenous flora and fauna.

#### Lakshadweep Islands Artwork:

Produce an artwork showcasing the beauty of the Lakshadweep Islands. Focus on elements like turquoise lagoons, atolls, marine life, coconut palms, and traditional island architecture.

### Task 2: Cultural Artifacts and Traditions

#### Andamanese Tribal Art:

Research the indigenous tribes of the Andaman Islands, such as the Great Andamanese, Jarawa, and Sentinalese. Create an artistic representation of their cultural artefacts, body art, or traditional rituals.

#### Lakshadweep Cultural Mosaic:

Explore the cultural diversity of the Lakshadweep Islands, influenced by Arab, African, and South Indian traditions. Design a collage or montage reflecting the unique blend of customs, festivals, and daily life.

### Task 3: Map Interpretation and Infographics

#### Island Cartography:

Draw detailed maps of the Andaman and Nicobar Islands and Lakshadweep Islands, highlighting geographical features, administrative divisions, major settlements, and tourist attractions.

#### Infographics on Marine Life:

Create informative infographics showcasing the rich marine biodiversity of these islands. Include data on coral reefs, fish species, marine conservation efforts, and the impact of climate change.

### Task 4: Environmental Awareness Campaign

#### Poster Design:

Design persuasive posters promoting environmental conservation and sustainable tourism in the Andaman and Nicobar Islands and Lakshadweep Islands. Incorporate messages about protecting ecosystems, reducing plastic pollution, and preserving cultural heritage.

#### Digital Storytelling:

Use digital tools to create a short animated video or presentation narrating the environmental challenges faced by these islands and proposing solutions through community involvement and responsible tourism.

#### Submission Guidelines:

Submit your artwork, sketches, maps, infographics, and posters either digitally or as physical copies.

Include brief explanations or captions for each submission to demonstrate understanding and context.

Ensure all submissions are neatly organized and clearly labelled with your name, class, and assignment title.

Digital things are to be mailed to [pushpendra.singh@agrasenschool.com](mailto:pushpendra.singh@agrasenschool.com)

Assessment Criteria:

Artistic creativity, originality, and attention to detail.

Accuracy and relevance of geographical information presented.

Effective communication of cultural and environmental themes.

Overall presentation and effort in completing the tasks.

### **INFORMATICS PRACTICES**

Task 1: Art Integrated Learning Project

Prepare a python quiz on general awareness about Andaman and Nicobar Islands. The quiz must include a minimum of 10 questions and a score should be displayed.

Task 2:

Complete the If statement assignment in your Informatics Practices notebook.

### **PHYSICAL EDUCATION**

Project file to be submitted