

Maharaja Agrasen Model School

Class - XII (Session 2023-24)

Homework for Summer Vacation

Regarding submission of Internal Grades for Class XI and XII

• For the purpose of fostering 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 wellbeing. 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 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 of having 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 project can be in the form of power point or using adobe spark or any other online mode.

Class 12 Holiday Homework, 2023-24

English

1.NCERT questions of the following chapters to be prepared and written in fair English notebook

The Last Lesson, Lost Spring Tiger king

2. Art integrated project - a brochure on Andaman and Nicobar islands- "Emerald, Blue and You". Feature a calm, serene and relaxed holiday on these Indian Coral Island .

Guidelines

Brochure should be prepared on an A4 sheet and the presentation should be eye-catching .

Steps to be considered while working on the project

Browse the information about the topic on the internet.

Add some relevant pictures. You can draw or paste the same. Give a suitable title to the brochure.

Prepare it for presenting in the class.

3. Read the following chapters and make a ppt on any one.

Poets and Pancakes

Interview

Mathematics

1. Assignment-7(Inverse Trigonometry)

2. Assignment-8(Inverse Trigonometry)

3. Assignment-9(Differentiation)

4. Assignment-10(Differentiation)

5. Mathematics Activities-1 to 5

Physics

1. Art Integrated Project- Prepare a powerpoint presentation highlighting the natural beauty of Anadaman and Nicobar islands. Its Flora and fauna, Inhabitants and natural phenomenon occurring . The presentation should contain 10-12 slides.
2. Complete practical file.
3. Complete assignments on chapter covered.

CHEMISTRY

1. Completion of Chemistry Practical file.
2. Completion of assignments and all NCERT exercise questions of the following chapters:
 - i) Haloalkanes and Haloarenes
 - ii) Alcohols, Phenols and Ethers
3. Prepare mind maps on methods of preparation and chemical properties of Haloalkanes, Haloarenes, Alcohol, Phenol and Ethers. (in the notebook only)
4. 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 four to 10 or 15 - Content

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

mini.aggarwal@agrasenschool.com

5. Design an Investigatory project

(Handwritten) on the topic assigned under the following headings:

#First page- topic

#Certificate

#Acknowledgment

#Content

#Introduction

#Theory

#Observation

#Conclusion

#Bibliography

Biology

1. Design an Investigatory project on any one topic related to Biology under the following headings:

- First page- topic,
- submitted to/submitted by Certificate
- Acknowledgment
- Contents
 - Introduction
 - Theory
 - Observation
 - Conclusion
 - Data statistics/analysis
 - Bibliography

2. Art Integration Learning Project Design a Catalogue (using adobe spark, microsoft office etc.) on 'Ornithology of Lakshadweep and Andaman and Nicobar group of Islands. Include photographs of Birds studying their environment, habitat, evolution, and several other aspects of bird life. Write their common name, scientific name and little description about it. (Maximum 10-12 slides). Kindly email the brochure to neha.sanan@agrasenschool.com

3. Complete Biology Practical File for Section A and Section B experiments.

4. Complete Assignment registers for following chapters: Principles of Inheritance, Molecular Basis of Inheritance, Biotechnology - its Principles and Processes.

Computer science

1. Completion of Practical file for the topics Revision Tour with Functions , Stack, text and CSV files as per the given practical assignment.

2. Completion of project synopsis which would include the following:

- a. Title

- b. About the project

- c. Flowchart of input process output

- d. Menu design

- e. Interface design (GUI using TKInter - optional)

3. Completion of assignments given on the following chapters:

- a. Revision Tour

- b. Functions

- c. Text Files

4. Completion of Art integrated Project.

(NOTE : 1. You can use Python concepts - Text files or CSV files to utilize /analyze information on Andaman & Nicobar , Lakshadweep tourism and provide a search information menu for any 3 monuments/ analysis of tourists - foreigners or tourists.

2. Search for dataset and download from any site i.e. kaggle.com, data.gov.in etc.
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Informatics Practices

1. Completion of Practical file as per the given practical assignment.

2. Completion of project synopsis which would include the following:

- a. Title

- b. About the project

- c. Flowchart of input process output

- d. Menu design

- e. Interface design (GUI using TKInter - optional)

3. Completion of assignments given on the data handling

4. Completion of Art integrated Project.

(NOTE : 1. You can use Python concepts - Text files or CSV files to utilize /analyze information on Andaman & Nicobar , Lakshadweep tourism and provide a search information menu for any 3 monuments/ analysis of tourists - foreigners or tourists.

2. Search for dataset and download from any site i.e. kaggle.com, data.gov.in etc.
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BUSINESS STUDIES

- Preparation of Project file according to CBSE guidelines.

- Revise the chapters for the Comprehensive Exam.
- Complete the assignments of the chapters:
Principles of Management and Business Environment
- Art Integration Work

Do any 1 of the following-

- A) Choose a generic product of Andaman and Nicobar Islands or Lakshwadeep. Prepare poster covering its Product Mix.
- B) Choose a generic product of Andaman and Nicobar Islands or Lakshwadeep. Prepare poster covering its Promotion Mix.

-Prepare a collage depicting the agenda and activity areas covered under G20.

Accountancy

Accountancy Holidays Homework

1. Complete the project file
2. Complete the following assignment-
Retirement of a partner
3. Complete the following Art integrated project - Analysis of Financial Statement for the year 2022-23 of company operating in Lakshadweep, Andaman & Nicobar Islands. You can present using pie chart or bar diagram.

Economics

1. Completion of project file.
2. Completion of assignments of following chapters
 - Indian Economy on the eve of Independence
 - Indian Economy (1950-1990)
 - Money and Banking
 - National Income
3. Completion of Art integrated project

As part of guidelines by the CBSE all students are required to prepare art integrated projects under the "Ek Bharat shreshth Bharat programme". For CBSE Art Integrated Learning and Project Work, in Academic Session 2023-24, Delhi has been paired with Lakshadweep, Andaman & Nicobar Islands. Students have to work in a group of 4 to 5.

4. Prepare Infographics related to G20 and mail to the STs on the ID shared by them.

Make a ppt (8-10 slides)/ a small video of about 2 minutes on the topic assigned to your group.

Group 1- Organic farming in Lakshadweep, Andaman & Nicobar Islands

Group 2- State of poverty in Lakshadweep, Andaman & Nicobar Islands

Group 3- State of Agriculture and Allied activities in Lakshadweep, Andaman & Nicobar Islands

Group 4- State of industrial sector in Lakshadweep, Andaman & Nicobar Islands

Group 5- Workers participation rate in Lakshadweep, Andaman & Nicobar Islands

Group 6- State of education and health sectors in Lakshadweep, Andaman & Nicobar Islands

Group 7- HDI of Lakshadweep, Andaman & Nicobar Islands

Group 8- Sectoral composition in Lakshadweep, Andaman & Nicobar Islands
Group 9- State of infrastructure in Lakshadweep, Andaman & Nicobar Islands

POLITICAL SCIENCE

Project overview:

The Project work will be implemented for 20 Marks.

Out of 20 marks, 10 marks are to be allotted to viva voce and 10 marks for project work. For class XII, the evaluation for 20 marks project work should be done jointly by the internal and external examiners .

The project can be individual/pair/group of 4-5 each.

The Project can be made on any of the topics given in the syllabus of a particular class or any contemporary issues.

The project work can be culminated in the form of films, albums, songs, storytelling, debate, Role Play, Skit, Presentation, Model, Field Survey, Mock Drills/Mock Event etc.

Art Integration- Prepare a collage on political system of Lakshadweep and Andaman and Nicobar group of Islands.

Physical Education

Complete project work

Complete assignment of unit 1 and 2

Psychology

1. CASE STUDY- Develop a case profile of an individual exhibiting any of the following:-
 - Individuals with special needs such as- ADHD, Specific learning disorder, Autism, Anxiety, Obsessive compulsive disorder, Conduct disorder etc.
 - An individual facing stress, interpersonal problems, phobia, and other problems such as - substance abuse, eating disorder etc.
2. Watch any Series, Movie, T.V. shows, or plays where a particular psychological concept, disorder has been highlighted and prepares a detailed report.
3. Art Integration- BECOME A PSYCHOLOGIST.
 - Take up any psychologist's concept from the textbook.
 - Understand and explain the concept from a psychologist point of view in the class through Role play, Skit etc.