



MAHARAJA AGRASEN MODEL SCHOOL
CD BLOCK, PITAMPURA, DELHI

Class - X (Session 2024-25)
Homework for Summer Vacation

ENGLISH LANGUAGE AND LITERATURE

PART - A

ART INTEGRATED AND SUBJECT ENRICHMENT ACTIVITY

Prepare an advertisement (A4 sheets) - You can work in a pair as per your roll number. Ex- 1-2, 3-4 & so on
To prepare an advertisement for the Andaman and Nicobar Islands, consider highlighting the following:

1. **Scenic Beauty:** Showcase the picturesque landscapes, pristine beaches, and lush greenery to attract students seeking adventure and nature exploration.
2. **Adventure Activities:** Highlight adventurous activities like snorkelling, scuba diving, trekking, and water sports such as jet skiing and parasailing to appeal to the adventurous spirit of young students.
3. **Historical Significance:** Mention the historical landmarks like Cellular Jail, Ross Island, and museums to spark interest in history and culture among students.
4. **Educational Tours:** Emphasize educational opportunities such as learning about marine life, biodiversity, and indigenous tribes, which can supplement their academic curriculum.
5. **Environmental Conservation:** Stress the importance of environmental conservation and sustainable tourism practices, encouraging students to be responsible travellers.
6. **Cultural Immersion:** Promote cultural exchanges with the local communities, showcasing traditional dances, music, and cuisine to provide students with a rich cultural experience.
7. **Safety and Security:** Assure parents about safety measures in place, including trained guides, certified instructors for adventure activities, and reliable accommodation options.

8. **Affordable Packages:** Offer affordable package deals specifically designed for student groups, including transportation, accommodation, meals, and guided tours.
9. **Contact Information:** Provide clear contact details for inquiries and bookings, including a website, email, phone number, and social media handles for easy communication.

PART- B

1. a) You are Neeraj/Neeraja Shekhar, Principal, Vasant Public School, Pune. Your school has just started a music department. Write a letter to the Manager of Melody House, Pune, wholesale suppliers of musical instruments, placing an order for musical instruments for the school. Ask for a discount on the catalogue prices. (120 – 150 words)

b) You intend to join coaching classes at the Success Coaching Centre situated in Chennai. The institute specializes in teaching science to classes XI-XII. Write a letter of enquiry in 100 – 120 words addressed to the Administrator in – charge of the institute seeking clarification about the timing, duration, staff, transport and other necessary details for joining the institute. You are Sonia / Shiv of 2, Murthi Road, Chennai. (120 – 150 words)

c) You are Sanjeet of 122, Arjun Nagar, New Delhi. Several scooters and cars are parked in your locality without any order, causing blockage of the streets. Write a letter to the local Secretary of the Resident’s Association complaining about this problem. (120 – 150 words)

(Part A & B to be done on A4 sheets)

2. Complete Units 3,4, 7, 8 and 9 of Words and Expressions.

3. Revise the entire syllabus covered till date.

PORTFOLIO ASSIGNMENT (to be done on loose sheets, tied together and submitted)

NOTE-

- * To be done on an A4 size sheet
- * To be submitted with the holidays homework
- * Only handwritten assignments are to be submitted

GRAMMAR

Fill up the blanks by using the correct tense form of the verbs given in brackets.

Question 1.

- (a) We (go) to Guwahati by Rajdhani Express last month.
- (b) Rajdhani train (be) a fully air-conditioned train.
- (c) It (provide) food, cold drinks, water, and the blankets at night.
- (d) The journey (be) cool. It imparted solace to the soul and mind.
- (e) On the opposite, there (be) a priest.
- (f) He (be) in the church of Patna for the past twenty years.
- (g) I was informed that he (read) a book.
- (h) He did not say when he (come).
- (i) I hope that you (pardon) me soon.
- (j) He taught me that good deeds (b) never lost.

Question 2.

- (a) Arjun (be) a good friend of Lord Krishna.
- (b) He never (want) to fight with his brother Duryodhan.
- (c) It was Krishna who (inspire) Arjun by giving him Upadesas of Gita.

(d) Arjun (bow) before his Guru and then he started fighting.

(e) The Mahabharata (write) by Ved Vyasji.

(f) The Mahabharata (be) an epic.

Question 3.

(a) Malaria (be) caused by female Anopheles mosquitoes.

(b) They (be) also called carriers.

(c) When a Mosquito (bite) a person, the microbes enter into the bloodstream.

(d) We should (keep) the surroundings clean to avoid the breeding of mosquitoes.

(e) Disease-causing microbes (be) called pathogens.

(f) Yeast (be) a friendly microbe.

Question 4.

Last week I (a) (visit) the trade fair. It (b) (inaugurate) by the President of India. I (c) (accompany) by my friend who (d) (come) from the U.S.A. last week. He (e) (live) in the U.S.A. since the last five years. He (f) (do) his M.B.A. from the New York University.

WRITING SKILLS

Question 5.

You are Padam, office in-charge at Vayusena School, Sant colony, Visakhapatnam. Place an order of stationery items for the school office to Modern store, New Market, Visakhapatnam.

हिंदी

भाग - 1

प्रश्न 1. कला एकीकृत परियोजना कार्य (AIL) - लक्षदीप अथवा अंडमान - निकोबार द्वीपसमूहों में से किसी एक द्वीप की संक्षिप्त जानकारी देते हुए सचित्र व आकर्षक परियोजना कार्य ए-4 शीट पर तैयार कीजिए।

भाग - 2

प्रश्न 1. निम्नलिखित विषयों पर अनुक्रमांक संख्या (रोल नंबर) के अनुसार लगभग 100 शब्दों में अनुच्छेद लिखिए -

i. यदि मैं प्रधानमंत्री होता/ होती.....
(अनुक्रमांक संख्या 1 से 20 तक)

ii. मेरे जीवन का लक्ष्य (अनुक्रमांक संख्या 21 से अंत तक)

प्रश्न 2. नीचे दिए गए विषयों पर दो अलग-अलग आकर्षक विज्ञापन बनाइए :

i. जल संरक्षण एवं योग शिविर (अनुक्रमांक संख्या 1 से 20 तक)

ii. पर्यावरण संरक्षण एवं रक्त दान शिविर (अनुक्रमांक संख्या 21 से अंत तक)

प्रश्न 3. अपनी पाठ्य पुस्तक के पाठों में से किन्हीं बीस मुहावरों को चुनकर उन्हें आकर्षक रूप से अर्थ सहित लिखिए।

प्रश्न 4. निम्नलिखित विषयों पर लगभग 100 शब्दों में लघुकथा (short story) लिखिए -

i. सत्यमेव जयते - अनुक्रमांक संख्या 1 से 20 तक

ii. लालच बुरी बला है - अनुक्रमांक संख्या 21 से अंत तक

नोट : उपर्युक्त समस्त कार्य आपको अपनी हिंदी की उत्तर पुस्तिका (fair notebook) में करना है।

संस्कृत

Part A

अण्डेमान व निकोबार द्वीपसमूह के त्योहार इस विषय पर एक पोस्टर तैयार कीजिए
साइज ए 4 शीट

Part B

1. पाँच अपठित गद्यांश, पाँच संवाद, पाँच पत्र और पाँच चित्र वर्णन 'Together with Sanskrit' में कीजिए।
2. मणिका भाग २ पाठ्य पुस्तक के पाठ १, २, को पुनः पढ़ें और उनके अतिरिक्त प्रश्न 'Together with Sanskrit' में कीजिए।
3. संधि, समय, अव्यय, अशुद्धि संशोधन और प्रत्यय का अभ्यास कीजिए।
4. विद्या से संबंधित पाँच श्लोकों पर एक चार्ट तैयार कीजिए

MATHEMATICS

1. Complete the lab manual activities 1 to 5
2. Complete all the assignments shared with you in the assignment register.
3. Complete NCERT Exemplar questions on Chapter-1,2,3 and 4.
4. Art Integrated learning project

Andaman and Nicobar islands and Lakshadweep Ocean bed - House to corals and fishes

A **coral reef** is an underwater ecosystem characterized by reef-building corals. Reefs are formed of colonies of coral polyps held together by calcium carbonate Most coral reefs are built from stony corals, whose polyps cluster in groups.

Sometimes called *rainforests of the sea*, shallow coral reefs form some of Earth's most diverse ecosystems. Coral reefs flourish in ocean waters that provide few nutrients. They are most commonly found at shallow depths in tropical waters.

Let's draw beautiful corals and fishes and learn to make polynomial curves found in nature.

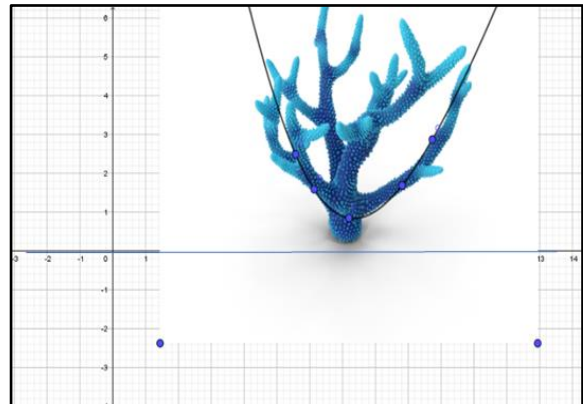
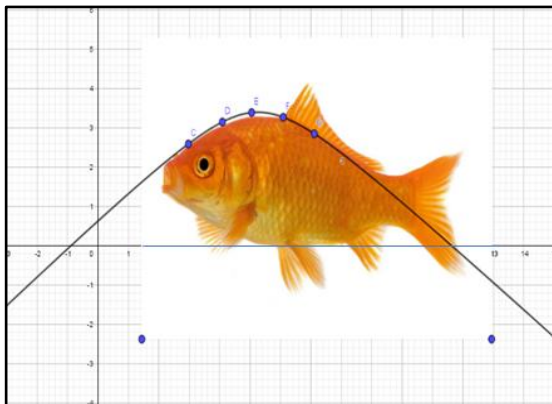
Draw graphs of polynomials given below on a graph sheet and convert them into beautiful coral reef and fish:

- a) $x^2-3x-10$: Convert the parabola into a picture of a coral reef.
- b) $-x^2+4x+32$: Convert the parabola into a picture of a fish.

You can use waste material like beads, buttons, pencil shavings, yarn, coconut shell etc. to decorate the coral reef and fish.

After drawing the graphs find out how the sign of the leading coefficient affects the curve. Based on the graph find the zeroes of the polynomials

Polynomials curves in Nature(Reference pictures)



SCIENCE

PART A

1. ART INTEGRATED PROJECT

(Portfolio) (5 Marks)

Content-2marks

Creativity-2 Marks

Timely submission-1 Mark

PROJECT FILE ON RICH FLORAL AND FAUNA of Andaman and Nicobar Islands

- a) A group of 5 students can prepare one project file.
- b) Focal points to be included are the rich variety of medicinal plants, orchids, bamboos, conifers, ferns, Rhododendrons, oaks with their Scientific names, key characteristics and pictures.
- c) Faunal variety to focus on butterflies, birds and mammals with their Scientific names, key characteristics and pictures.
- d) Also include the conservation strategies taken up by the state for the conservation of its megadiversity.

NOTE : Students can work on 10 plants and 10 animal varieties for the above stated project.

PART B

2. Complete the given assignments in your registers based on chemical equations, numericals and diagrams from the following chapters.

i) Chapter 1- Chemical reactions and equations and acids, bases and salts.

ii) Chapter 10- Light: Reflection and refraction

iii) Chapter 6- Life Processes

3. Multiple Assessment (5 Marks)

Content-2marks

Creativity-2 Marks

Timely submission-1 **Mark**

Poster Making on A4 sheets

Topic -Let Delhi Breathe

Subject Enrichment Activity(5 Marks)

Correctness-2marks

Neatness-2 Marks

Timely submission-1 Mark

Completion of Physics ,Chemistry and Biology Practical files as per instructions

SOCIAL SCIENCE

I)Make a collage on the “Diversity of Flora and Fauna of Andaman and Nicobar Islands”(A4 size Sheet).

II) **Prepare a project file on following topics :(Subject enrichment activity)**

R.NO 1 to 15- Consumer Awareness

R.NO 16 to 30- Social Issues

R.NO 31 onward- Sustainable development

Instructions :

1. The total length of the project report should not be more than 20 written pages of A-4 size sheet.
2. The project report should be handwritten and credit will be awarded to original drawings, illustrations and creative use of eco-friendly material.
3. The project report should be presented in a neatly bound simple folder.
4. The project report should be developed and presented in this order
 - a) **Cover page** showing project title, student information, school and year.
 - b) **List of contents** with page numbers.
 - c) **Certificate page**
 - d) **Acknowledgement** (acknowledging the institution, offices and libraries visited and persons who have helped).
 - e) **Chapters** with relevant headings.
 - f) **Summary and conclusions** based on findings.
 - g) **Bibliography**: should have the Title, author, publisher and if a website the name of the website with the specific website link which has been used.

(Johnson, Mary Anne. "How to Bake the Perfect Souffle." *Food Network, Television Food Network*, 20 February 2013, [www.foodnetwork.com/article/perfect_souffle.](http://www.foodnetwork.com/article/perfect_souffle))(Smith, John Jacob Jingleheimer. *Wu Xia and the Art of Scooter Maintenance*, Springer, 2003.)

h) The project will be internally assessed.

III) **Interdisciplinary Project (Multiple Assessment)**

Make a PowerPoint presentation keeping in mind the following points-

- a) Concept of Bretton Woods system of globalization
- b) Three Bretton Woods Institutions
- c) Discuss the reasons for the end of the Bretton Woods system.
- d) How the end of Bretton Woods led to the beginning of Globalisation?
- e) Concept of Globalization
- f) Study the impact of globalization on the Indian economy.
- g) Explain the role of Waterways and Airways in the Globalization of India.
- h) Number of slides - 15
- i) Group participation - 4 /5 students
- j) Attach annexure V in your PowerPoint.

Annexure V

Presentation Template By the students Class X

Name of the Student:	
Members of Team:	
Class X: Section:	Date of Submission:
Topics of IDP:	

Title of the Project:

Objectives:

Process adopted:

Ex. Surveys / Interviews / Research work/ Observation/ Story based Presentation/ Art integration/ Quiz/ Debate/ role play/ viva,/group discussion,/visual expression/ interactive bulletin boards/ gallery walks/ exit cards/ concept maps/ peer assessment/ art integration /Self-assessment/integration of technology etc.

Evidence: Photos, Excerpts from Interviews, observations, Videos, Research References, etc.

Overall presentation: Link of PPT, shared documents, can be digital/handwritten, as per the convenience of the school.

Acknowledgement:		
References;(web sites, books, newspaper etc)		

Reflections:

Submit the above PPT to respective social science coordinator:

tanuja.sahu@agrasenschool.com

shweta.yadav@agrasenschool.com

simple.sharma@agrasenachool.com

ARTIFICIAL INTELLIGENCE

1. Complete the Practical File as per the index shared for the Python program. (First three programs)
2. Collect the data about tourism for Lakshadweep - Union Territory of India. You may collect data of domestic and foreign visitors in different districts of Lakshadweep during the last 3 years. Use Microsoft Excel to save the data and save it in .csv file format.
3. Visit <https://datavizcatalogue.com/> . On this website you will find various types of graphical representations such as flowcharts, process descriptors etc. go through the page and look at the new ways. Demonstrate any two data visualization functions and write on A4 sheet with an example.