NORTH-EX PUBLIC SCHOOL
(SENIOR SECONDARY, AFFILIATED TO CBSE)
SCHOOL BLOCK, JAIN NAGAR, SECTOR-38, ROHINI, DELHI-81
SUMMER HOLIDAY HOMEWORK
ENGLISH

Q1. To make an art integrated project on Lakshadweep, Andaman and Nicobar Island.

Q2. Write a story in 150-200 words with the help of the following outline:

Tortoise and hare – good friends – tortoise – known for his slow speed – hare has fast speed – makes fun of tortoise – challenges him – referee selected – race starts – hare overconfident – takes a nap – tortoise wins.

Q3. You are very much fond of adventure. You were on a tour to Gulmarg in Jammu and Kashmir a few days ago. Write a letter expressing your thrilling experience of ice-skiing there to your best friend.

Q4. Do reading of the chapters OF PERIODIC TEST – I syllabus and make the summary of each.

Q5. Learn and revise all the syllabus of PERIODIC TEST-I.

MATHS

1. Write three solutions for each of the following equations and draw the graphs-
   - i) $2x-3y = 0$
   - ii) $3x – 4y=12$
   - iii) $X+2y =5$

2. The auto fares in a city are as follows-

   For the first kilometer the fare is Rs 12 and the subsequent distance is Rs 7 per km. Taking the distance covered as x km and the total fare as Rsy, write the linear equation.

3. Three vertices of square PQRS are P(-4,0), Q(1,0), R(1,-5). Plot the points. Also find the coordinates of vertex S.

4. Represent $\sqrt{2}$, $\sqrt{7}$ on the number line.

5. Simplify $2\sqrt[4]{81} - 8\sqrt[3]{216} +15 \sqrt[5]{32} +\sqrt{225} -\sqrt[4]{16}$.

6. Do all activities in lab manual as discussed in the class.

7. Prepare art integrated project

   State: Andaman and Nicobar islands, Lakshadweep islands

   Topic : climate , humidity , Rainfall.

SOCIAL SCIENCE

General Instruction

Do all the homework in your subject notebooks and project on Coloured A-4 size sheets in a separate file.

Q1. Explain why Indian ocean is named after India?

Q2. Are various landforms required? If yes, Why?

Q3. Write an article on the topic- 'Democracy is useful or useless.'

Q4. Make an art integrated project where you have to include Andaman and Nicobar islands and Lakshadweep islands. You have to compare these two islands with Delhi on the basis of -

a) Location of these on Political map of India (Map work)

b) Weather and Climate

c) Occupations
d) Crops grown
Q5. Revise full syllabus of Periodic Test-1 covered yet. Learn them properly for assessments.

SCIENCE

1. A car is moving along a straight road at a steady speed. It travels 150 m in 5 seconds:
(a) What is its average speed?
(b)How far does it travel in 1 second?
(c)How far does it travel in 6 seconds?
(d)How long does it take to travel 240 m?
2. A ball hits a wall horizontally at 6.0 m s^{-1}. It rebounds horizontally at 4.4 m s^{-1}. The ball is in contact with the wall for 0.040 s. What is the acceleration of the ball?
3. Draw a 3D charts on any one of the following topics.
   a) Fractional distillation
   b) Chromatography
   c) Sublimation
   d) Evaporation
   e) Plant cell
   f) Animal cell
   g) Water harvesting system
4. **Give reasons for the following statements:**
(a) Meristematic cells lack vacuole, despite having a prominent nucleus.
(b) In sclerenchymatous tissues, intercellular spaces are absent.
(c) Pear fruit gives us a crunchy, granular sensation when we chew it.
(d) Tree branches can move freely and bend in high winds.
(e) Removing the coconut tree's husk can be challenging.
5. Prepare an art integrated project.

हिंदी

प्रश्न 1. रैदास के पदों की व्याख्या अपने शब्दों में कीजिए।

प्रश्न 2. रहीम के दोहों में निहित जीवन मूल्यों को अपने शब्दों में लिखिए।

प्रश्न 3. पाठ 'दुख का अधिकार' द्वारा लेखक क्या संदेश देना चाहते हैं? अपने शब्दों में स्पष्ट कीजिए।

प्रश्न 4 पशु-पक्षियों के साथ किस प्रकार का व्यवहार करना चाहिए तथा उनके साथ किए जाने वाले दुर्व्यवहार को किस प्रकार रोका जा सकता है?

प्रश्न 5. अनुस्वार व अनुनासिक युक्त दस-दस शब्द लिखिए।

प्रश्न 6. कला एकीकृत परियोजना (**Art Integrated Project**)

दिल्ली - अंडमाननिकोबार व लक्षदीप

की संस्कृति का तुलनात्मक अध्ययन कीजिए तथा परियोजना तैयार कीजिए।

COMPUTER

Do the following questions in Notebook:-

(1) Write any five characteristics of computer. Explain each type.

(2) Write the steps to save a file in a computer.

(3) Write any five storage devices. Explain its feature.

(4) Write any five computer application. Explain it.

(5) How open an exiting file?

Activity

* Designed the Periodic table of elements. Give a catchy style for the heading, The Periodic Table. All empty cells should be filled with a black colour apply table style to it.

* Prepare a score chart of the Indian cricket team players including the score of extras. Add complete border with a style of 1.00 pt to the table. Calculate the sum of all the runs at the end. When you have finished with all the task, rotate the text vertically in cells to the right side.