

NOIDA PUBLIC SR. SEC. SCHOOL

A-78, Sector-23, Noida-201301, G.B. Ngr. U.P

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Name: _____

Grade: XII

Section: A

Rippling crystal waters shine like silver to reflect summer's glow.
Soothing and calming in rhythm, echoing its lyrical flow.
Magical music of nature, a symphony of splendid delight.
Skies like blue oceans in paradise, birds soaring to grasp full flight.

Dear Parents,

“School stops for summer, learning never stops.”

Summer holiday homework is a way to keep your child connected to learning during this long break. It is an excellent opportunity to encourage children to work on their own and develop self-holiday homework designed would not only help your as responsible individuals.

Few guidelines for your parents to make your long summer break fruitful.

1. **“Knowledge is Power”**. Therefore encourage your child to cultivate the reading habit because it not only enhances the knowledge acquired but also develops the vocabulary, language skills and improves spellings. And also read to your child because it builds reading skills and increases his/her attention span.
2. Communication skills play a pivotal role in grooming the overall personality of the children. Converse with your child preferably in English to help him / her get comfortable with the language.
3. Spend quality time with your child engaging him / her in activities based on enhancing his /her powers of observation and imagination.
4. Sensitize your child about the rich culture and heritage by watching different informative channels like ‘The National Geographic’, Animal Planet etc.

Wishing you all happy times together!!!



ENGLISH

Q1. Research on Child Labour in India in general. On A4 sheets make notes of the salient facts about :-
(a) The Child Labour Acts, (b) Condition of the Children in different spheres of work, (c) Reasons behind the rise of Child Labour, (d) What needs to be done to eradicate child labour.

Based on the lesson 'LOST SPRING' focus on children like Saheb-E-Alam, from Seemapuri, who forage the garbage dumps, and Mukesh, from Firozabad, who work in bangle making factory. Also collect pictures of different aspects of child labour to substantiate the notes you will make.

Q2. Make a Project File on the poem 'My Mother at Sixty-Six.' It should include topics: (a) About the Poet. (Paste photograph of the Poet) (b) Theme of the Poem. (c) Figures of Speech (d) Write about your bonding with your Mother.

To make it attractive, draw the images of the daughter bidding farewell to the Mother as given in the textbook. Also paste some photographs of yourself along with your Mother.

Q3. Write your view in 150 words on the caricature made by the Germans on Indian Population. Also draw it.

Q4. Prepare an invitation card (formal) on the occasion of your parents' 25th Wedding anniversary.

Collect any Formal INVITATION CARD and stick it on A4 sheet.

Q5. Based on the Chapter 'The Last Lesson' by Alphonse Daudet, write your views on Linguistic Chauvinism and the Importance of Mother Tongue

PHYSICS

Q1. There is a skeleton cube of twelve resistance wires each of resistance 12 ohm, and a battery is connected across its two longest diagonal ends. If emf of battery is 24 volt and internal Resistance 2 ohm, determine (i) equivalent resistance (ii) current drawn from battery.

Q2. There is a long uniformly charged straight wire of charge density Y and an electron of charge Q revolving around it. Derive an expression for kinetic energy of electron in terms of Y and Q . Also plot a graph between K.E and Y .

Q3. Determine total electric flux and charge within the cuboid of dimensions $(20 \times 10 \times 5)$ in Cm which is origin along its length on $+x$ axis and electric field present is given by $E = 5x^2 \hat{i}$.

Q4. Explain how capacitance of an air capacitor changes on inserting (i) a metal slab partially b/w its two plates (ii) a dielectric slab partially b/w its two plates and hence draw your conclusion about an air capacitor, fully metal plate inserted capacitor and a fully dielectric capacitor.

Q5. Prepare a chart on various types of capacitors. (Roll No. 1-15).

CHEMISTRY

Q1. Discuss the environmental impact of Halogenoalkanes like CFCs.

Q2. What are the different types of carbohydrates found in nature. Frame a flowchart to explain the types along with examples.

Q3. What are the uses of different proteins in our day-to-day functioning of body. List out few of them.

Q4. How are alcohols used in medicines like glycerol. Explain.

Q5. Draw different hybridisation charts/models for coordination compounds (Roll No. 15-30).

BIOLOGY

Q1. State the function of filiform apparatus found in mature embryo sac of an angiosperm.

Q2. A bilobed, dithecous anther has 100 microspore mother cells per microsporangium. How many male gametophytes this anther can produce?

Q3. An anther with malfunctioning tapetum often fails to produce viable male gametophytes. Give one reason.

Q4. A pollen grain in angiosperm at the time of dehiscence from an anther could be 2-celled or 3-celled. Explain, how are the cells placed within the pollen grain when shed at a 2-celled stage?

Q5. Draw a diagram of a section of a megasporangium of an angiosperm and label funiculus, micropyle, embryo sac and nucellus.

PHYSICAL EDUCATION

- Q1. Make a chart on the topic 4 Asanas for each on prevention of lifestyle diseases Asthma, Diabetes, Hypertension and Obesity.
- Q2. Write down detailed description of Paralympics Tokyo 2021
- *Participated countries
 - *New sports included
 - *Indian Participants and their medal tally
 - *Schedule, Date etc.
- Q3. Explain the topic Balance diet in details. 20 food myths that we hear in our daily life.
- Q4. What is the first aid treatment for stroke with their warning signs and how to do CPR with full steps and guidelines ?
- Q5. Follow workouts plan 3 days in a week
- 200-400 mtr running
 - 20×3 squats
 - 10×4 Push ups
 - 20×3 Jumping jacks
 - 20×3 Sit ups

COMPUTER SCIENCE WITH PYTHON

Part A

- Q1. Create a Project/module/Program that will be created with help of Python Syntax. Following are the instructions to complete the project.
1. Create a code that display the distance from earth Solar System.
 2. Use appropriate python variable.
 3. Create Using UDF.
 4. Create the code with clear comments and main program.

Part B

- Q1. State True or False
“Variable declaration is implicit in Python.”
- Q2. Which of the following is an invalid datatype in Python?
(a) Set (b) None (c) Integer (d) Real
- Q3. Given the following dictionaries
dict_exam={ 'Exam': 'AISSCE', 'Year': 2023 }
dict_result={ 'Total': 500, 'Pass_Marks': 165 }
- Q3. Which statement will merge the contents of both dictionaries?
- a. dict_exam.update(dict_result)
 - b. dict_exam + dict_result
 - c. dict_exam.add(dict_result)
 - d. dict_exam.merge(dict_result)
- Q4. Consider the given expression:
not True and False or True
- Q5. Which of the following will be correct output if the given expression is evaluated?
- (a) True
 - (b) False
 - (c) NONE
 - (d) NULL
- Q6. Select the correct output of the code:
a = 'Year 2023 at All the best'
a = a.split('#';2#';)
b = a[0] + ', ' + a[1] + ', ' + a[3]
print (b)

Instructions for Holiday Assignment

- Assignment is divided into two parts

- Part A will be implemented on Python Spyder Application.
This is an Art Integrated Project. It includes Math, Science and Technology.
- Part B will be done on Notebook .
- (a) Year . 0. at All the best
- (b) Year 0. at All the best
- (c) Year . 023. at All the best
- (d) Year . 0. at all the best

SYLLABUS PT-1 (2023-24)

ENGLISH CORE READING Comprehension Passage WRITING – Notice, Informal Invitation Text Book (1) Flamingo Chapter1 The Last Lesson Chapter 2.Lost Spring Poem 1 My Mother At Sixty Six (2) Vistas Chapter1 The Third Level	PHYSICS Chapter 1- Electrostatics Chapter 2- Current electricity	CHEMISTRY Unit-6 Haloalkanes and Haloarenes Unit -7 Alcohols, phenols and ethers Unit 10- Biomolecules
BIOLOGY Chapter 1 (Reproduction in flowering plant) Chapter -2 (Reproduction in Human) Chapter-3 (Reproductive health)	COMPUTER SCIENCE WITH PYTHON Chapter 1- Revision of Class XI Chapter-2 Function Chapter- 3 Exception Handling	PHYSICAL EDUCATION Chapter 1 Management of Sporting Events Chapter 2 Children & Women in Sports
MATHEMATICS Unit-II Algebra(Matrices and Determinants)		

PT-1 DATE SHEET

DAY/DATE	SUBJECT
05/07/23, WEDNESDAY	CHEMISTRY
07/07/23, FRIDAY	MATHEMATICS/BIOLOGY
10/07/23, MONDAY	ENGLISH
12/07/23, WEDNESDAY	PHYSICS
13/07/23, THURSDAY	CS/PHYSICAL EDUCATION

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