KENDRIYA VIDYALAYA SUNDERBANI

DEAR STUDENTS, AUTUMN BREAK IS A GIFT OF TIME – USE IT WISELY! REVIVE YOUR HOBBIES, READ INSPIRING BOOKS, AND SPEND QUALITY TIME WITH FAMILY. COME BACK REFRESHED AND READY TO EMBRACE NEW CHALLENGES!"

Regards
Rakhi Sharma
Class Teacher XI

Here is your homework for the autumn break:

Subject: English

- **Complete your homework notebook.**
- **Solve the sample paper for Half yearly examination.**
- **PROJECT WORK:**

Make a project work on the following topic

My Grandmother

Write a beautiful pen-portrait of your grandmother in about 800-900 words, mentioning important stages of her life—childhood, education, hobbies, marriage and profession. Importantly, there should be an elaborate account of your relationship with your grandmother. Mention also the greatest quality of your grandmother – what makes her special to you and others. Collect relevant photos and use them in your project. This project is based on the poem The Portrait Of A Lady (Hornbill).

विषय: हिंदी

1. आरोह भाग-1 के अध्याय "गलता लोहा" को एक बार पुनः ध्यानपूर्वक पढ़कर प्रश्न उत्तर नोटबुक में लिखें।

2. आरोह भाग-1 के अध्याय "विदाई संभाषण" को ध्यानपूर्वक पढ़ें। पाठ के संदर्भ में इंटरनेट/ यूट्यूब से लॉर्ड कर्जन के बारे में और उसके समय में भारतीयों की दशा को जानें। (पाठ से संबंधित महत्वपूर्ण बिंदुओं को नोटबुक में लिखें)

3. वितान भाग-1 के अध्याय "भारतीय गायिकाओं में बेजोड़- लता मंगेशकर" को ध्यानपूर्वक पढ़ें। लता जी की गायकी (चित्रपट संगीत) और शास्त्रीय संगीत में अंतर समझने के लिए लता जी के गाने और कुछ शास्त्रीय गीत (Classical Music)सुनें। (पाठ से संबंधित महत्वपूर्ण बिंदुओं को नोटबुक में लिखें)

4. अर्धवार्षिक परीक्षा के लिए अभिव्यक्ति और माध्यम के निम्नलिखित टॉपिक्स को दोहराएं।

(i) जनसंचार माध्यम

(ii) पत्रकारिता के विविध आयाम

जनसंचार और पत्रकारिता से सम्बंधित बारीकियों को समझने के लिए प्रतिदिन शाम को एक घंटे टेलीविजन और आकाशवाणी (All India Radio) पर समाचार देखें और सुनें।

पाठों के सारांश और संदर्भ(Reference)के लिए अध्ययन सामग्री को देखें।

SUBJECT: BIOLOGY

1. Complete your homework notebooks upto Cell Division Chapter , including Biomolecules .

2. Solve two Sample papers of Half Yearly on your homework notebooks. Sample papers will be shared in your official group.

3. Complete your practical notebooks upto which we have discussed in class.

Subject: Mathematics

1. **Revise MCQ, ASSERTION REASON QUESTIONS and CASE BASED QUESTIONS, 2 marks , 3 marks and 5 marks questions of chapters permutation and combination, Sequence and series, Binomial Theorem from Study material provided by KVS HQ and JAMMU REGION**

SUBJECT: Computer Science (Python)

Worksheet 1: Data Types, Operators, Expressions, Flow Control

Section A – Multiple Choice Questions (1 mark each)

1. Which of the following is an immutable data type in Python?
   a) List
   b) Tuple
   c) Dictionary
   d) Set

2. What will be the output of the expression 5 + 2 * 3 in Python?
   a) 21
   b) 11
   c) 16
   d) 15
3. Which operator checks whether two variables point to the same object in memory?
   a) ==
   b) is
   c) in
   d) !=
4. What is the type of the result of 3 + 4.0 in Python?
   a) int
   b) float
   c) complex
   d) str
5. Which of the following is a syntax error?
   a) print("Hello")
   b) if x > 5 print(x)
   c) x = 10
   d) y = x + 5

Section B – 2 Marks Questions (5 Marks)

6. Identify the data type of each of the following:
   a) True
   b) [1, 2, 3]
   c) None
7. Write a Python expression using augmented assignment operator to double the value of variable a.
8. What is the difference between == and is operators?
9. Write the output of the following code:

   x = 10

   y = 3

   print(x // y, x % y)

10. Mention any two logical errors that can occur in Python programs.

11. Write a Python program to accept a number from the user and display whether it is divisible by 2, 3, both, or none.
12. Write a Python program to find the largest of three numbers using if-elif-else statements.
13. Predict the output of the following code and justify your answer:

```
a = 5

b = 2

c = a / b

print(type(c))
```

14. Explain the difference between mutable and immutable data types with one example of each.
15. Write a Python program to print the squares of all numbers from 1 to 10 using a for loop and range() function.

SUBJECT: CHEMISTRY

Chapter chemical thermodynamics

1.Gibbs free energy and 3rd law of thermodynamics (study these two and do them on your notebook)

2.Revise the whole chapter and solve the questions provided via official group on your homework notebook.

SUBJECT: PHYSICS

1. **Complete your physics notebook positively**
2. **Write and learn chapter system of particles and rotational motion. Refer to the study material provided by RO.**
3. **Solve the given sample paper for Half yearly examination.**