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WINTER HOLIDAY

HOME WORK

CLASS IX

SESSION: 2023-2024

STUDENT NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ROLL NO: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Winter Vacation is probably the best time of the year for you all; it’s time for loads of fun, though we can't go out but getting pampered to

no end and of course bonding with distant cousins can be done virtually.

School is fun too; with learning happening at all times, Winter vacation can also be a time for learning with lots of activities around.

Here are a few tasks for you to complete during the vacation. Do remember to complete the given tasks after reading them carefully.

**Some Tips to make this holiday special:**

* Have a family dinner every day of the holidays**.**
* Play board games with your parents and sibling sand show them who is the smartest**.**

Spend some quality time with an elderly person in the family

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**Some useful tips for winter vacation**

Some dos and don’ts during winter vacation:

**Do’s**

* **Eat a nutritious diet with plenty of water. Include citrus fruits**
* **(orange, lemon, grapefruit) and vegetables which are rich in vitamin C, vitamin D containing foods (cheese, egg yolks) and zinc-containing foods (legumes, lentils, beans, and nuts).**
* **Wash your hands frequently, always with soap and water for at least 20 seconds or frequently use alcohol-based hand rub.**
* **Wear light cotton clothes.**
* **Protect yourself and others.**
* **Be a leader in keeping yourself, your school, family and community healthy.**
* **Cough and sneeze into a tissue or your elbow and avoid touching your face, eyes, mouth and nose.**
* **Share what you learn about preventing disease with your**
* **Family and friends, especially with younger children.**

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**Don’ts:**

* **Do not share cups, eating, utensils, food or drinks with others.**
* **Do not have close contacts with a sick person.**
* **Do not participate in large gatherings.**
* **Do not touch your face, nose and eyes without washing hands.**
* **Don’t dirty your place of living.**
* **Don’t have junk food.**
* **Don’t watch too much TV.**
* **Don’t waste time being lazy.**

**HINDI**

विज्ञान वरदान एवं अभिशाप **अथवा** जनसंख्या नियंत्रण **अथवा** पर्यावरण प्रदूषण

में से किसी एक प्रकरण पर 200 - 250 शब्दों में निबंध लिखकर एक प्रोजेक्ट फाइल तैयार कीजिए l

और दृश्य **चार्ट सीट** पर बनाकर रंगो से सजाइएl

**MATHS**

**On the chart paper** draw the 3 -D shapes (Cone, Sphere, Hemisphere, and cylinder) and writes their Curved surface and total surface area and write their volume also.

(Draw neat and clean with proper labelling)

**SOCIAL SCIENCE**

1- Prepare 20 objective (1 mark) questions each from these chapters: French Revolution,

India Size and Location,

Natural Vegetation and wild life

Forest society and Colonisation

\*\* **Do this assignment in your notebook.**

**SCIENCE**

**BIOLOGY**

Collect 2-2 sample of rabi crop and kharif crop, paste it in **your project file** and write 5-10 lines about each of them.

**PHYSICS**

Prepare Project on**-** \*Sound: Production, Propagation and Characteristics of Sound Waves\*

Use suitable diagrams wherever required.

**\*\* Do this project in your project file**

**CHEMISTRY**

Q1- Make Rutherford model of atom on **thermocol sheet**

Q2-Make the **Thermocol model** for Bohr’s model of atom

Q3- Write the electronic distribution in various shells up to atomic number 20 on **thermocol sheet.**

Q4- Make the **Thermocol model** about States of matter.

Q.1) For Roll no. 01 to 10

Q.2) For Roll no. 11 to 20

Q.3) For Roll no. 21 to 30

Q.4) For Roll no. 31 to 40

**COMPUTER**

**Write programs in Python to :**

1. To find the square root of the given number.
2. To calculate the Area and Perimeter of a square.
3. To convert Celsius to Fahrenheit.
4. To print the factorial of a number.
5. To check weather the entered year is leap or not.
6. To check weather the entered number is Armstrong number or not.
7. To display a calendar
8. To find the LCM of a given number.
9. Python Program to Print all Prime Numbers in an Interval
10. Python program to convert kilometres to miles

\*\* Arrange all the programs in a project file.

**ENGLISH**

**Q.** Name and describe the two temples the author visited in Kathmandu?

Project-Collect all the information of the temples also paste pictures and do this work in your English language copies in Word limit of 100 words.