LOYOLA CONVENT SCHOOL RANCHI
SESSION: 2021-22

WINTER BREAK HOLIDAY HOMEWORK FOR CLASS-IX

SUBJECT – English

1. Workbook - Do unit 7 all. (Pg nos 96- - 110)
2. Smart score-
   i. Module 8 (pg nos 470 to 473)
   ii. Module 1 (HW Assignment- 4 & 5)

SUBJECT - Physics

1. Make a project on the few inventions or laws Sir Isaac Newton gave to this world. Project should also contain the life sketch of Sir Isaac Newton.

2. Write the experiment to determine the density of solid (denser than water) by using a spring balance and a measuring cylinder in lab manual.

SUBJECT - Chemistry

1. Pick five compounds from your home. Write their chemical formula and derive the mass.

2. What is mole? Write significance of mole in chemistry.

3. Write alpha scattering experiment done by Rutherford with help of diagram.

4. Write about how protons were discovered.

5. Differentiate between Isotopes and Isobars with examples.

SUBJECT - Biology

1. What is health? State any two conditions essential for being free of disease.

2. Differentiate between

   a. Acute and chronic diseases

   b. Infectious and noninfectious diseases

3. Name any 3 diseases which is prevalent in winters, its pathogen and symptoms.

4. Draw water cycle, nitrogen cycle, carbon cycle and oxygen cycle.

SUBJECT - SANSKRIT

पृष्ठ 24-33 अभ्यासवान भव कार्य पुस्तिकायाम कुरुत

SUBJECT - Social Science

History:

1. What were the symbols of Nazism? What they said.

2. German Holocaust. Name some books and movies which was based on the Holocaust.

Geography:

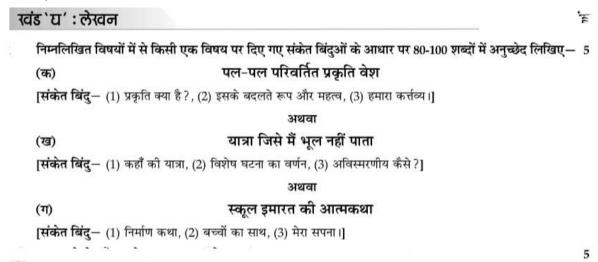Choose one Natural park of your choice and write the details.

Political Science:

Find some of the ethnic clashes going on in the world. Explain about one.

Economics:

Different types of Ration cards and their features.

SUBJECT- Hindi

खंड 'घ' : लेखन

निम्नलिखित विषयों में से किसी एक विषय पर दिए गए संकेत बिंदुओं के आधार पर 80-100 शब्दों में अनुच्छेद लिखिए— 5

(क) पल-पल परिवर्तित प्रकृति वेश

[संकेत बिंदु— (1) प्रकृति क्या है?, (2) इसके बदलते रूप और महत्व, (3) हमारा कर्त्तव्य।]

अथवा

(ख) यात्रा जिसे मैं भूल नहीं पाता

[संकेत बिंदु— (1) कहाँ की यात्रा, (2) विशेष घटना का वर्णन, (3) अविस्मरणीय कैसे?]

अथवा

(ग) स्कूल इमारत की आत्मकथा

[संकेत बिंदु— (1) निर्माण कथा, (2) बच्चों का साथ, (3) मेरा सपना।]

5

SUBJECT - Maths

1. MAKE A PROJECT based on mensuration and solid shapes.

   Topics to be covered.

   - Solid shapes(at-least 8)

   - Explanation of faces, edges & vertices.

   - Lateral or curved surface area.

- Total surface area.

- Volume or capacity.

- Formulae to find LSA or CSA, TSA & volume.

2. LAB MANUAL ACTIVITY- 26, 31, 32 & 33.

SUBJECT – Information Technology

Create a presentation which demonstrates details of a car launched by any company of your choice. Include the following slides:

1. Introduction of the company.

2. List of cars the company sells.

3. Introduction of the new car launched.

4. All models of the car should be displayed in tabular format. (Model name, Basic Price, Average, Capacity)

5. Modify the appearance of the table and set slide transition.

6. Add the image of the each model with its description.