

SATHYA SAI SHIKSHA SADAN
TOKHA 3, KATHMANDU

Winter Vacation Homework, GRADE - IX

नेपाली :

१. पुस २४ गतेदेखि माघ १२ गतेसम्मको दैनिकी लेख ।
 २. तिमिले आफ्नो नेपाली पाठ्यपुस्तकमा ककसको जीवनी पढ्यौ ? ती जीवनीबाट केकस्ता प्रेरणा पायौ र कस्ता कुरालाई आफ्नो जीवनमा उपयो ग गर्ने निर्णय गरेका छौ ? विवेचनात्मक ढङ्गमा लेख ।
 ३. सबै पाठ राम्ररी पढ र व्याकरणको अभ्यास गर ।
- संस्कृतम् : कक्षामा पढेका पाठका अभ्यास पूरा गर ।

English:

1. Write the summary of any 5 lessons of Govt. English.
2. Solve all the questions of SEE 2077 and 2078

Social studies:

1. Write a research report on 'Federal System of Nepal'. (Use internet and other sources to get data for writing the report.)
2. Nepal needs economic revolution for sustainable development and peace. Justify.
3. Conduct an opinion survey in your community. Ask twenty people 'what is their opinion about 'the Present Government of Nepal'. Choose one person from one family.

Science:

1. Write the electronic configuration of elements according to sub shell method up to first 30 elements.
2. Make a model of a food chain and a food web using collected diagrams of animals and plants.
3. Study about the national organizations of Nepal in the field of astronomy in Google search. Make a report about the activities of these organization in the promotion of astronomy.

Optional Mathematics.

1. Define a sequence.
2. Find the first five terms of the following sequences:
a. $t_n = 2n + 1$ b. $t_n = n(n+1)$
3. Find the general term of the following:
a. 1, 4, 7, 10, ... b. 100, 80, 60, ...
c. 2, 6, 12, 20, 30, ... d. 3, 10, 25, 48, ...
4. Prove: a. $(\sec A + \tan A - 1)(\sec A - \tan A + 1) = 2 \tan A$
b. $\cos^6 A + \sin^6 A = 1 - 3 \sin^2 A \cos^2 A$

5. If $5 \cos A + 12 \sin A = 13$, find the value of $\tan A$.
6. If $1 - \cos A = \frac{1}{2}$, show that $\tan^2 A + 4 \sin^2 A = 6$

C. Maths:

1. Solve any 3 model sets from the sets book.
2. Prepare the project work from the text book according to the third terms chapters.
3. Prepare a Mathematical note copy for final assignment, while preparing the copy try to be precise (Formulas, Definitions, Theorems and Properties) and unique. You can make a binding file with safety cover or a good diary. Your copy can help you to get up to 10 marks in final evaluation so make your note copy neat, clean and attractive.

Health, Population, and Population:

1. Do the project as assigned in the classroom. (Note: Project Work for Final Exams)

Accountancy:

1. Prepare triple column cash book:
On 2077/6/1 Started business with cash Rs.600000
6/2 Deposited Rs.500000 with bank
6/3 Rs.24500 received from Ravi and discount allowed Rs.500
6/4 Rs.50000 paid through bank to Satyam and received discount Rs. 2000
6/5 Withdrawn Rs. 20000 from bank for personal use
6/6 Withdrawn Rs. 10000 for office use.
2. Explain the importance of final accounts
3. What are the different types of letters prepared by business office? Give example of any one.
4. Prepare journal to final accounts from the following transactions:
a) On 2077/4/1 Started business with cash Rs. 700000
b) On 2077/4/2 Purchased furniture of Rs. 7000 and machine Rs. 10000
c) On 2077/4/3 Purchased goods from Sharad of Rs. 50000
d) 2077/4/4 Sold goods of Rs. 60000 for cash
e) 2077/4/5 Paid salary of Rs. 4000, commission Rs. 500
5. What is government accounting? Why it is important? Explain.
6. Name different types of business and explain.

We and the World

Read any one book of spiritual genre (Sai literature or moral stories or any value based book). Write a brief note to present your book review.

Note: This project will be counted in practical evaluation.