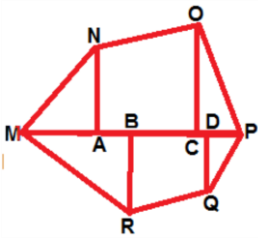


CLASS: VIII

SUBJECT: MATHEMATICS



1 Find the area of polygon MNPQR if  $MP = 9$  cm,  
 $MD = 7$  cm,  $MC = 6$  cm,  $MB = 4$  cm,  $MA = 2$  cm  
NA, OC, QD and RB are perpendiculars to diagonal MP.

2. The diagonals of a rhombus are 7.5 cm and 12 cm. Find

its area.

3. Find the area of a rhombus whose side is 5 cm and whose altitude is 4.8 cm.

If one of its diagonals is 8 cm long, find the length of the other diagonal.



4. An aquarium is in the form of a cuboid whose external measures are 80 cm  $\times$  30 cm  $\times$  40 cm. The base, side faces and back face are to be covered with a coloured paper. Find the area of the paper needed?

5. A suitcase with measures 80 cm  $\times$  48 cm  $\times$  24 cm is to be covered with

a tarpaulin cloth. How many metres of tarpaulin of width 96 cm is required to cover

6. Find the height of a cuboid whose base area is 180 cm<sup>2</sup> and volume is 900 cm<sup>3</sup>?

7. Add:  $7xy + 5yz - 3zx$ ,  $4yz + 9zx - 4y$ ,  $-3xz + 5x - 2xy$ .

**SIMPLIFY FOLLOWING**

8.  $(a + b)(c - d) + (a - b)(c + d) + 2(ac + bd)$

9.  $(2y + 5)(2y + 5)$

10. Find the value of  $m$  for which  $5m \div 5 - 3 = 55$ .

11. Mass of earth is  $5.97 \times 10^{24}$  kg and mass of moon is  $7.35 \times 10^{22}$  kg. What is the total mass?

12. The distance between Sun and Earth is  $1.496 \times 10^{11}$  m and the distance between Earth and Moon is  $3.84 \times 10^8$  m. During solar eclipse moon comes in between Earth and Sun. At that time what is the distance between Moon and Sun.

In an exhibition of mathematics held in the PM SHRI KENDRIYA VIDYALAYA SUKNA on 15 december 2023.



# PM SHRI KENDRIYA VIDYALAYA SUKNA

## HOLIDAY HOMEWORK FOR WINTER BREAK

SESSION: 2023-24



Age of RAKSHA, NEHA AND ANJALI are written as  $2x$ ,  $2x+8$  and  $x-4$  years . if the value of  $x$  is 2.

Find the following

Age of raksha

b) age of neha

c) sum of agee of anjali and her father whose age is 36 year

### MDP

#### AGRICULTURE

What is the percentage of paddy grown in india out of whole world production.

Draw a pie chart to represent the production of following agricultural product in india

Rice

Millate

Wheat

Maize /corn

Write the ratio in which different chemicals are used in the fertilizer

Like A) Urea B) Ammonium Nitrate C) Sodium Nitrate

Write the ratio of NKP in atleast three type of fertilizer which are used in different copps like?

Rock Phosphate

Soybean Meal

Crab Meal

### विषय- हिन्दी

1- पठित पाठों के प्रश्नोत्तर लिखकर याद करें।

2 अपठित गद्यांश ( 2 ) व अपठित पद्यांश (2) को प्रश्नोत्तर सहित लिखें।

3- दो औपचारिक और दो अनौपचारिक पत्र लिखें।

(3)20-20 उपसर्ग व प्रत्यय को लिखकर दो-दो शब्द बनाइए।

### Subject- English

1. Did the prospect of meeting Stephen Hawking make the writer nervous? If so, why? Did he at the same time feel very excited? If so, why? (A visit to Cambridge)

2. "I could feel his anguish." What could be the anguish? (A visit to Cambridge)

3. What did Doc Wilson mean when he said, "Nothing in the world ever comes quite free"? (This is Jody's fawn) 4. What signs do we find in Nature which show that the monsoons are about to end? (A)



# PM SHRI KENDRIYA VIDYALAYA SUKNA

## HOLIDAY HOMEWORK FOR WINTER BREAK

SESSION: 2023-24



short monsoon diary) 5. Although tin roofs are given to springing unaccountable leaks, there is a feeling of being untouched by, and yet in touch with, the rain." (A short monsoon diary)

(1) Why has the writer used the word, 'springing'?

(ii) How is the writer untouched by the rain?

(ii) How is the writer in touch with the rain at the same time?

6. What according to you, make the two adversaries turn into good friends in a matter of minutes, explain it as you have understood it. (The fight)

7. You are a student of Kendriya Vidyalaya Sukna. Now write an application to your Principal, requesting him to arrange extra classes for English as your teacher is on a one month leave.

8. Write an article on the topic "The Purpose of Education"

9. Recently you visited the old age home in Delhi. You met old people who were lonely and sick. Their children had left them to fend for themselves. When you talked to them, you felt bad about the fact that they were not living with their children. Write about your experiences in your diary.

10. Choose the correct helping verb from options of the following:

Q1 I .....working all afternoon and have just finished the assignment.

A. have been B. had been C. shall be D. am

Q2. Rohan. ....the movie before he read the review.

A watches B have watched C had watched D was watching

Q3. He .....in the States but he still does not have a command over the English language.

A . have been living B. has been living C. have lived D. living

11. Fill in the Blanks using correct verb forms. (Present tense)

1. I .....in Model Town. (live)

2. The mother..... food for us. (cook)

3. She.....to temple every morning. (go)

4. My father .....from his office in the evening. (return)

12. Change the Verbs in their 2nd, 3rd forms of:

a) Accept b) Eat c) Swim d) Hear e) Catch f) Seek g) Break h) Fight i) Laugh j) Make

### Subject- SOCIAL SCIENCE

#### INTERDISCIPLINARY PROJECT: - "AGRICULTURE"

#### THINGS TO BE KEPT IN MIND WHILE DOING THE PROJECT



# PM SHRI KENDRIYA VIDYALAYA SUKNA

## HOLIDAY HOMEWORK FOR WINTER BREAK

SESSION: 2023-24



### 1. Design two cover pages

- School name, your name, class, section, roll. no. on the first cover page.
- Design second cover page in such a way that it reflect your topic.- "Farm Explorers: Learning About Agriculture"

### 2. Acknowledgement

### 3. Index

### 4. Introduction

### 5. Main project points/ material on

i) comparative study of production of different grains/vegetables/fruits etc in different parts of India through a Bar graph, Double bar graph/Pie chart

(ii) comparison of importance of different components of food items like carbohydrates, fat, minerals, protein etc through Pie chart

(iii) To Study the processing and preservation techniques of various crop products/ Chemicals used in processing and preservation of food items and their impact on health/Environmental impacts of various agricultural practices/importance of preserving our indigenous varieties of crop and their wild relatives /indigenous and traditional methods of agriculture which are still relevant /Important agricultural Institutes

iv) To Find out the difference between the life style of farmers in the USA, AFRICA and INDIA on the basis of pictures collected from Magazine ,books

,news papers etc. On the world map, locate the rice and wheat producing countries.

v) Study the Use of Digital Technology - Game changer in agriculture

Interview a farmer and record his experiences

### 6. Bibliography

### 7. Conclusion

### 8. Use A-4 size papers.

### 9. You can paste or draw images related to topic for making your project wonderful.

### 10. Be ready for viva based on your project.

### विषय: संस्कृतम्

1) पठितपाठानां विद्यार्थी दैनन्दिनी ( Learners Diary) प्रस्तुतं कुरुत ।

2) निम्नलिखितानां शब्दानां रूपानि लिखत -

नदी, मुनि, अस्मद्

3) निम्नलिखितधातूनां लट्, लङ्, लृट्, विधिलिङ्, लोट् लकारे लिखत -

हस्, गम्, खाद्, ।

4) निम्नलिखितानां शब्दानां प्रयोगं कृत्वा वाक्यरचनां कुरुत-



# PM SHRI KENDRIYA VIDYALAYA SUKNA

## HOLIDAY HOMEWORK FOR WINTER BREAK

SESSION: 2023-24



अहम्, मम, तव, वयम्, युष्माकम्, युवाम्, यूयम्, ते, ताः, एतत्

### SUB: SCIENCE

1. Complete the MDP as given topic Agriculture and submit on 15 January 2024.
2. Complete the learners Dairy and submit on 16 January 2024.
3. Practice diagram with labelling of chapter Animal Reproduction.
4. Learn and practice given three chapters for Periodic test Chapters are Animal Reproduction, Reaching to Adolescence age and Sound.

### **SUBJECT: Work Experience**

1 Identify and make a list of electric devices. Draw their pictures and write names.

2 Make a simple circuit of bulb glowing using a cell battery on a cardboard/thermocool

## Class VIII

### Sub: AI

#### 1. Write in Your notebook

Shortcut	Keys Description
Alt+F	File menu options in current program.
Alt+E	Open Edit options in current program.
Alt+Tab	Switch between open programs.
F1	F1 is used by almost every Windows program to display help.
F2	Rename a selected file.
F5	Refresh the current program window.
Ctrl+D	Bookmarks the current page in most Internet browsers.
Ctrl+N	Create a new or blank document in some software.
Ctrl+O	Open a file in the current software.
Ctrl+A	Select all text.
Ctrl+B	Change selected text to be bold.
Ctrl+I	Change selected text to be in italics.
Ctrl+U	Change selected text to be underlined.
Ctrl+F	Open find window for current document or window.
Ctrl+S	Save current document file.
Ctrl+X	Cut selected item.
Shift+Del	Cut selected item.



**PM SHRI KENDRIYA VIDYALAYA SUKNA**  
**HOLIDAY HOMEWORK FOR WINTER BREAK**  
**SESSION: 2023-24**



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Ctrl+C	Copy selected item.
Ctrl+Ins	Copy selected item
Ctrl+V	Paste Shift+Ins Paste
Ctrl+Y	Redo last action.
Ctrl+Z	Undo last action.
Ctrl+K	Insert hyperlink for selected text.
Ctrl+P	Print the current page or document. Home Goes to beginning of current line.
Ctrl+Home	Goes to beginning of document. End Goes to end of current line

2. What is the goal of SDG 16? Explain in brief.
3. What is Logical Symbol Manipulation?
4. Which SDG promotes sustainable industries, investment in scientific research and innovation which will lead to sustainable development.
5. Write the name of any Voice Controlled Intelligent Speakers.
6. Define AI.
7. How are Facebook adverts biased? Explain in brief.
8. What is Strong AI?
9. Briefly explain the tasks performed by AI.
10. What are Smart Homes?
11. Mention any two methods of AI bias prevention.