

KENDRIYA VIDYALAYA THIRUVANNAMALAI
Holiday Home Work for Autumn Break
CLASS 10

English

This assignment should be done in an A4 sheet. The A4 should be used one side only. It is advised to maintain a title page also.

1. You are aware that despite of the measures taken by the central government and state governments to control Covid-19 situation man is posing threat to his own existence by not wearing mask and maintaining social distancing. Write an article about it in not more than 150 words.
2. Imagine you become invisible. How will you helpful for the society by helping the needy on the basis of humanitarian ground. Word limit 150.
3. Kindly maintain a **stress diary** for 10 days (during holidays) to maintain your mental health by transferring all your problems into the note book.

Hindi

1. कोविड 19 महामारी पर निबंध लेखन
2. मां ने बेटी को सचेत करना क्यों जरूरी समझा ?
3. नेताजी का चश्मा पाठ से आप क्या शिक्षा ग्रहण करते हैं ? स्पष्ट कीजिए।

Sanskrit

1. पाठ 1 से 5 तक के शब्दार्थ लिखिए
2. रमा व बालक शब्द के रूप लिखिए
3. पाठ 1 से 5 तक के (एक पदेन) प्रश्न- उत्तर लिखिए
4. पठ् धातु लट् लकार (वर्तमान काल) के रूप लिखिए
5. 6 कारकों के नाम और 7 विभक्तियों के नाम लिखिए
6. 1 से 100 तक संस्कृत गिनती (counting) लिखिए
7. पढ़ाये गये समस्त पाठों का हिन्दी अनुवाद व प्रश्नोत्तर याद करें।

Mathematics

1. Explain quadratic equation?
2. What is Arithmetic Progression?
3. Explain the criteria for similarity for triangles.
4. Write the formulae used in chapter "Coordinate Geometry."

5. Draw a concept map of chapter "Introduction to Trigonometry."

Science

Physics

Solve the following questions

1. An object of size 9 cm is placed at 20 cm in front of a concave mirror of focal length 15 cm. At what distance from the mirror should a screen be placed, so that a sharp focussed image can be obtained? Find the size and the nature of the image.
2. A concave lens of focal length 20 cm forms an image 15 cm from the lens. How far is the object placed from the lens? Draw the ray diagram.
3. An object 5 cm in length is held 30 cm away from a converging lens of focal length 20 cm. Draw the ray diagram and find the position, size and the nature of the image formed.
4. The far point of a myopic person is 100 cm in front of the eye. What is the nature and power of the lens required to correct the problem?
5. The near point of a hypermetropic eye is 1.8 m. What is the power of the lens required to correct this defect? Assume that the near point of the normal eye is 25 cm.

Chemistry

1. Which element has twice as many electrons in its second shell as in its first shell?
2. Compare and contrast the arrangement of elements in Mendeleev's periodic table and modern Periodic table
3. How does the electronic configuration of an atom relate to its position in Modern periodic table
4. Write the structures of C_4H_8 , C_5H_{12}

Biology

1. Which of these parts is/are present in Human male reproductive system ? A) Uterus B) Oviduct C) vas deferens D) vagina
2. The producers in the grassland ecosystem receive 10000 J of energy, how much energy is found in 4th trophic level ? A) 1 J B) 100 J C) 0.1 J D) 10 J
3. Why do athletes on performing strenuous activities for an Olympic meet experience cramps ?
4. In a flowering plant there are 10 ovules enclosed in the ovary, how many pollen grains are needed ? Justify
5. On consuming a glass of lemon juice, mention the digestive organs/glands involved in the digestion process ?

Social Science

1. The French Revolution and the Idea of the Nation (200 words)
2. Impact of Globalization on Agriculture (200)
3. What make India a Federal Country (200)
4. Primary, Secondary and Tertiary Sectors in India (200)
5. Map work

Iron and Steel Plants:

- a. Durgapur
- b. Bokaro
- c. Jamshedpur
- d. Bhilai
- e. Vijaynagar
- f. Salem

Software Technology Parks:

- a. Noida
- b. Gandhinagar
- c. Mumbai
- d. Pune
- e. Hyderabad
- f. Bengaluru
- g. Chennai
- h. Thiruvananthapuram
