

DAV VEDANTA INTERNATIONAL SCHOOL
SUMMER HOLIDAY HOMEWORK-2020
CLASS-VIII SUB: PHYSICS

1. Make a chart of different types of forces you have studied giving the examples from day-to-day life.
2. Explain with an Activity that how force stops a moving object, changes the direction or speed of a moving object or changes the shape of a moving object.
3. Design an experiment or activity to explain the properties of liquid pressure.
 - i) Liquid pressure increases with increasing the depth.
 - ii) Liquid pressure transmitted equally in all directions at same horizontal level.
4. Answer the following questions;
 - i. What happens when two forces act in same direction?
 - ii. A ball is in rest. When it is pushed, why does it start moving?
 - iii. What is electrostatic force? Why is it called non-contact force?
 - iv. Give two examples of a situation in which applied force causes a change in the shape of an object.
 - v. A blacksmith hammers a hot piece of iron while making tool. How does the force due to hammering affect the piece of iron?
 - vi. Why are objects moving through liquid given special shapes? What is the name of the shape called?
 - vii. Explain with examples where friction is - a) useful b) a nuisance
 - viii. Explain why sliding friction is a little less than static friction.
 - ix. Explain why?
 - a) Talcum powder is put on a carom board before a game.
 - b) Rear wheels of buses and trucks are usually double.
 - x. Give two application of atmospheric pressure in our daily life.

SSC HOLIDAY HOME WORK

1. Explain any five sources of information of the Modern period of Indian history.
2. Explain any five reasons that turned the East India Company into an imperial power.
3. Briefly explain the circumstances that led to the First Anglo Sikh War. Mention two provisions of the treaty of Lahore.
4. Explain the socio-religious causes of the revolt of 1857.
5. Explain any five key features of Indian Constitution.
6. India has Single integrated independent judicial system. Justify.
7. Elucidate the term Secularism and its significance in a democratic country like India.
8. Enlist any Five Fundamental Duties mentioned in the Indian Constitution.
9. As a responsible student, list any three fundamental duties that one can follow even in the school premises.

MED-VIII

1. Role of policemen, doctors, nurses during COVID-19 period.
2. Your experience in this period.
3. How you helped mother in this period?

SUB:- MATHEMATICS

1. Write and learn the square of numbers from 1 to 50.
2. Write and learn the cube of numbers from 1 to 50.
3. Find the square root of 169, 225, 196, and 256. (By using repeated subtraction method.)
4. Activity: Represent the following numbers on number lines.

$$\sqrt{2}, \sqrt{3}, \sqrt{5}, \sqrt{6}, \sqrt{7},$$

5. Write the life history and contribution of any one great mathematician.
i) S Ramanujan ii) Aryabhata
6. Find the square root of 15, 17, and 2.7, 1.9 correct up to 3 decimal places.
4. Find the least number which must be added to 3320 to make it a perfect square.
5. Find the least number of 5 digits number which is a perfect square.
6. What must be added to 452664 to make it a perfect square?
7. Find the least number which must be subtracted from 18265 to make it a perfect square.

8. Find the cube root of each of the following numbers.

(a) -456533 (b) (-1728) x 125 (c) 343 x (1331) (d) (-512) x (-1728)

9. Show that: $\sqrt[3]{64 \times 729} = \sqrt[3]{64} \times \sqrt[3]{729} = 36$

10. The volume of a cube is 4096 cubic meters. Find the length of the side of the cube.

11. Volume of a cubical box is 13.824 cubic meters. Find the length of each edge of cube.

12. Find the smallest number which when multiplied with 3600 will make the product a perfect cube. Further, find the cube root of the product.

13. Divide the number 52728 by the smallest number so that the quotient is a perfect cube. Also find the cube root of the quotient.

14. Find the square root of the following numbers using long division method.

i) 275625 ii) 103041 iii) 49284 iv) 100489.

15. Find the length of the side of a square field of area 7744 m². Also, find its perimeter.

16. Find the square root of 5 up to three decimal places.

17. Find the cube root of following numbers by estimation method.

i) 110592 ii) 175616 iii) 32768

18. Find the cube roots of the following by prime factorisation.

i) 5832 ii) 21952 iii) 13824

19. Find the square root of $\frac{2}{3}$ up to 3 decimal places.

20. A contractor with a workforce of 420 men can complete a work of construction of a building in 9 months. Due to request by the owners he was asked to complete the job in 7 months. How many extra men he must employ to complete the job?

21. Six pumps working together empty a tank in 28 minutes. How long will it take to empty the tank if 4 pumps are working together?

22. A garrison of 120 men has provision for 30 days. At the end of 5 days, 5 more men joined them. How many days can they sustain on the remaining provision?

SUB- GEOGRAPHY

- Q1. Is forest a very important resource? Justify your answer.
- Q2. What is sustainable development? Why it is highly needed in a country like India?
- Q3. Difference between renewable and non-renewable resource.
- Q4. What are the factors on which utilization of resource depends upon?
- Q5. What are the measures to be taken to conserve resource?
- Q6. Difference between biotic and non-biotic resource?
- Q7. Utility and value of resource varies from time to time and place to place. Justify.

(Chemistry)

1. How can leakage of LPG be easily detected even though it is an odourless substance?
2. What is the cause behind the colour change of Taj Mahal from white to yellowish?
3. Why is global warming a cause of concern for the environmentalist?
4. Make a list of all the alternative sources of energy.
5. Explore the composition of coal and petroleum. Which type of coal is used in thermal power plants?
6. Why is LPG considered a better fuel than coal for cooking purposes?
7. Why is LPG filled in cylinders under pressure?
8. What is biogas? Is it a fossil fuel?
9. Planting of trees helps in checking global warming. How?
10. Find out what should be done to avoid blackening of utensils while cooking?
11. Prepare a list of four main types of coal depending on the
 - a) Varying percentage of carbon contents
 - b) Its description
 - c) Its uses
12. Write down the various uses of coal.
13. Make a list of different fractions of petroleum and their uses.
14. The use of fossil fuels is harmful to the environment. Explain.
15. Enumerate the measures that can be adopted to conserve energy.
16. Differentiate between:
 - a) Exhaustible and inexhaustible natural resources
 - b) Coal and coke
 - c) Petroleum and petrol
 - d) Bituminous and bitumen

HHW-ART

Make 4 numbers of any craft using waste materials

Prepare 5 numbers of painting by using any colours.

SUBJECT-BIOLOGY

Q1.Why it is necessary to plough the field?

Q2.What are crumbs?

Q3.Give two benefits of using seed drills.

Q4.Why it is necessary to implement transplantation in sowing process?

Q5.Differentiate between manures and fertilizers.

Q6.What are the different methods used to give pesticides?

Q7.What is the purpose of using combine?

Q8.What is the use of Soil?

Q9.What is the importance of hybridization in agriculture?

Q10.Explain briefly three major uses of microorganism in food processing.

Q11.What are biological nitrogen fixer?

Q12.Name any four diseases caused due to viruses.

Q13.Give the mode of transmission of following diseases: Common cold, cholera, tetanus, malaria

Q14.What are the different common preservatives? Why it is necessary to preserve food?

Q15.Why do we adopt the process of pasteurization?

SANSKRIT (H.H.W)

1. मम विद्यालयः विषये दश वाक्यानि संस्कृतेन लिखत ।

2. संस्कृतेन १-३० पर्यन्तम् संख्या लिखत ।

3. दीर्घ, गुण सन्धेः प्रत्येकस्य दश दश उदाहरणानि लिखत ।

4. दश अव्यय पदानि लिखित्वा वाक्ये प्रयोगं कुरुत ।

DAV VEDANTA INTERNATIONAL SCHOOL,

LANJIGARH

Holiday Homework. Std-Viii

- 1 अपने मनपसंद किसी विषय पर कहानी, कविता अथवा अपने विचार लिखिए।
- 2 (क) अपने यहाँ पार्क की साफ-सफ़ाई के लिए नगर निगम अधिकारी को पत्र लिखिए।
(ख) कुसंगति का प्रभाव तथा उससे बचने के लिए अपने छोटे भाई को पत्र लिखिए।
- 3 100 से 120 शब्दों में अनुच्छेद लिखिए-
(क) स्वच्छ वातावरण, खुशहाल जीवन
(ख) मन के हारे हार है, मन के जीते जीत
(ग) यदि मैं शिक्षा मंत्री होता (वर्तमान परिप्रेक्ष्य में)
- 4 अपने क्षेत्र में कोरोना महामारी की जानकारी तथा बचाव के लिए सूचना बनाइए।
- 5 ऑनलाइन कराए गए सम्पूर्ण कार्य पूरे कीजिए तथा पुनराभ्यास कीजिए।

HOLIDAY HOMEWORK (SUB-ODIA)

CLASS-VIII

୧. ବ୍ୟାସକବି ଫକୀର ମୋହନ ସେନାପତି ଜ ଦ୍ୱାରା ସୃଷ୍ଟି ତିନୋଟି ଗନ୍ଧର ସାରାଂଶ ଲେଖ ।
୨. ବାକ୍ୟ କାହାକୁ କହୁଛି ? ଏହାର ପ୍ରକାର ଭେଦ ସହ ଉଦାହରଣ ଦିଅ ।
୩. ବିଭିନ୍ନ ପ୍ରକାରର କ୍ରିୟାର ନାମ ଲେଖି ଉଦାହରଣ ଦିଅ ।

ENGLISH

1. Three Questions:

What were the hermit's answer to the three questions?

What were the three questions of the king?

Why was the king obsessed with the three questions?

Who was the bearded man in three questions?

What is the summary of the chapter three questions?

2. Granny's tree climbing:

What is the theme of the poem Granny's tree climbing?

What did everyone fear Granny tree climbing?

Why does the poet call his grandmother a genius?

Why does the poet's mother assert her right to reside in a tree?

Why did the narrator and his family sigh in relief?

3. Father's Help:

What happens when Swami goes to the headmaster to give father's letter to him?

What did Swami's Father give for the headmaster?

What reason did Swami give his mother for not going to school?

What is the moral of the story Swami and Friends?

How did Swami's father react when Swami told him that he was not going to school?

4. My Mother:

What is the meaning of "I Cannot remember my mother"?

Why can't the poet remember his mother?

What sights and smells remind the poet of his mother?

What is the poet doing when he remembers his mother?

Who sat and watch my baby's head lyrics?

Notice Writing

1. You are Ram / Rani of Carmel School, Shornur. Write a notice to be put up on the school notice board regarding the upcoming Annual Day Celebration in your school.

2. You are Supriya / Suraj of DAV Public School, Nerul. As the Student Coordinator of the Green Drive initiated by your School to mark the occasion of the World Wildlife Day on 3rd March, draft a notice urging the students to preserve the forests and wildlife.

3. You are Karan or Kiran, the Cultural Secretary of Your School. You have been asked to inform the students of classes IX-XII about an Inter-House Poem Recitation Competition. Write a notice in about 80- 100 words to be put up on your school notice board with all the relevant details.

Tenses Exercises

1. They _____ in Chicago for 20 years (be).
2. I _____ a wonderful film in the cinema last night. (see)
3. The sun _____ at 6:38 yesterday morning (rise)
4. The sun _____ when the climber reached Mount Everest. (shine)
5. I promise that I _____ this secret to anyone (not tell)
6. Unfortunately, just as we got to the airport their plane _____ off (take).
7. They _____ to the movies only once in a while (go)
8. I was tired yesterday because I _____ well the night before (not sleep).
9. Sh! Someone _____ to our conversation (listen)!
10. When I left the house this morning, it _____ (already rain)

Narration Change.

Peter says, "I want to become an engineer".

The teacher will say, "Everybody has to maintain silence.

My mother says, " God will shower his blessings on us, some day".

Tisha says to me, "TV is not working since last night."

Ginnie says to her friend, "I lost my new denim jacket."

Subject Verb Agreement

1. Bread and butter served for breakfast. (was / were)
2. The horse and carriage at the door. (is / are)
3. My brother to be an astronaut. (want / wants)
4. My parents teachers. (is / are)
5. Politics not something I am interested in. (is / are)
6. The cost of essential commodities gone up. (has / have)

7. Her clothes made of expensive fabrics. (is / are)
8. Either Manu or I to go. (has / have)
9. Neither Mala nor her parents at the party. (was / were)
10. Nobody what happened to her. (know / knows)

Error Correction

1. Candy taste sweet. _____
2. I gonna get a new cat. _____
3. she like dogs. _____
4. Me favorite coler is red. _____
5. I am happy now. _____
6. What time it is? _____
7. My head hurt. _____
8. When we gonna eat? _____
9. He don't like vegetables. _____
10. Me favorite color are blue. _____

COMPUTER

1. Define Client-Server and peer-to-peer architecture with diagrams.
2. Define LAN, MAN and WAN.
3. Draw pictures of LAN topologies (BUS, RING, STAR, and MESH).