D.A.V PUBLIC SCHOOL

SECTOR-3,DHURWA RANCHI-4

AFFILIATED TO CBSE(10+2)

SESSION(2022-23)

HOLIDAY HOMEWORK

CLASS-IX

SUBJECT-COMPUTER

1. **PROJECT WORK**

    Make a power point presentation on the topic-

    C P U COMPONENTS

    and define each and every topics.
2. What are the basic organizations of a computer system?

3. Explain the input ,process and output cycle for the withdrawal of 2000 rupees from your saving account using an ATM card.

4. Differentiate between primary and secondary memory.

5. Differentiate between RAMand ROM with example.

Holiday Homework

Class - IX   **Subject- History**

1. Describe the circumstances leading to the outbreak of revolutionary protest in France.

2. Describe the legacy of the French revolution for the peoples of the world during the 19th & 20th centuries.

3. How would you explain the rise of the Napolean?

4. Draw up a list of democratic rights whose origins could be treated to the French revolution.

CIVICS

1. How does democracy enhance the dignity of the citizens?

2. State the main features of democracy.

3. What was PRI? What dirty tricks did it play to the win the elections in Mexico?

4. How does democracy allow us to correct its own mistakes?

Project

Prepare a project on earthquake in which you paste some of the pictures of earthquake & describe about causes and precautions which should be adopted by the people.

1. Find the rational number between

    i. $\frac{3}{8}$ and $\frac{2}{5}$

    ii. $\frac{1}{9}$ and $\frac{2}{9}$

    iii. -1 and $\frac{1}{2}$

2. Express each of the following decimals in the form $\frac{p}{q}$ where p,q are integer q≠0

    i. $0.\overline{53}$

    ii. $0.\overline{235}$

    iii. $18.\overline{48}$

    iv. $2.4\overline{178}$

    v. $0.\overline{001}$

    vi. $2.\overline{93}$

3. Simplify

    i. $\left(3 - \sqrt{11}\right)\left(3 + \sqrt{11}\right)$

    ii. $\left(-3 + \sqrt{5}\right)\left(-3 - \sqrt{5}\right)$

    iii. $\left(5 + \sqrt{7}\right)\left(2 + \sqrt{5}\right)$

    iv. $\left(\sqrt{5} - \sqrt{2}\right)\left(\sqrt{2} - \sqrt{3}\right)$

4. Simplify

    i. $3\sqrt{45} - \sqrt{125} + \sqrt{200} - \sqrt{50}$

    ii. $\sqrt{72} + \sqrt{800} - \sqrt{18}$

5. Represent each of the numbers $\sqrt{2}$, $\sqrt{3}$ and $\sqrt{5}$ on the real line.

6. Locate 3.895 on the number line.

7. Simplify by rationalizing the denominator

    i. $\dfrac{7\sqrt{3}-5\sqrt{2}}{\sqrt{48}+\sqrt{18}}$

    ii. $\dfrac{2\sqrt{6}-\sqrt{5}}{3\sqrt{5}-2\sqrt{6}}$

8. Find the value of 'a' and 'b' if

$$\dfrac{7+3\sqrt{5}}{3+\sqrt{5}} - \dfrac{7-3\sqrt{5}}{3-\sqrt{5}} = a+b\sqrt{5}$$

9. If $a = \dfrac{\sqrt{5}+\sqrt{2}}{\sqrt{5}-\sqrt{2}}$ and b = $\dfrac{\sqrt{5}-\sqrt{2}}{\sqrt{5}+\sqrt{2}}$

$$3a^2 + 4ab - 3b^2 = 4 + 56 \times \dfrac{\sqrt{10}}{3}$$

10. Simplify

    i. $\left(\dfrac{32}{243}\right)^{-\frac{4}{5}}$

    ii. $(14641)^{0.25}$

    iii. $\left(\dfrac{81}{49}\right)^{-\frac{3}{2}}$

    iv. $(0.00032)^{-\frac{2}{5}}$

11. Evaluate

    i. $\left(\dfrac{64}{125}\right)^{-\frac{2}{3}} + \left(\dfrac{256}{625}\right)^{-\frac{1}{4}} + \left(\dfrac{3}{7}\right)^{\circ}$

    ii. $\dfrac{(25)^{\frac{5}{2}} \times (729)^{\frac{1}{3}}}{(125)^{\frac{2}{3}} \times (27)^{\frac{2}{3}} \times (8)^{\frac{4}{3}}}$

    iii. $\dfrac{2^{\circ} + 7^{\circ}}{5^{\circ}}$
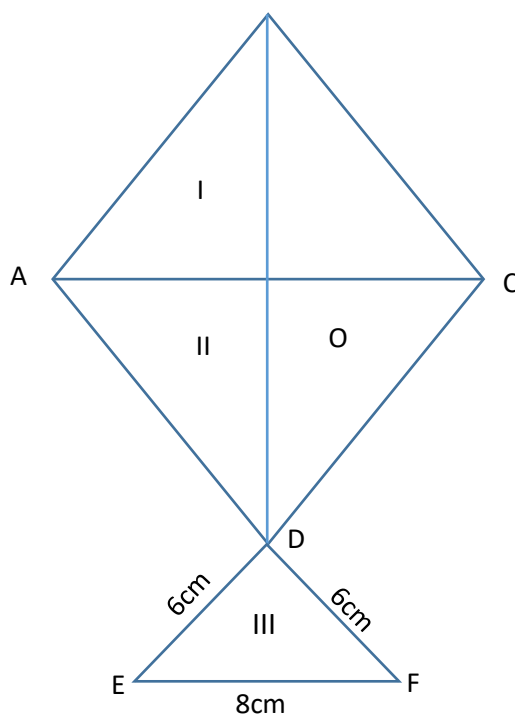
12. Find the value of 'x'

    i. $5^{x-3} \times 3^{2x-8} = 225$

    ii. $\dfrac{3^{3x} \times 3^{2x}}{5x} = \sqrt[4]{3^{20}}$

    iii. $\sqrt[3]{3x - 2} = 4$

13. If $p(x) = x^3 + x^2 - 9x - 9$ find P(0), P(3), P(-3) and P(-1). What do you conclude about the zeros of P(x)! Is 0 a zero of p(x)!

14. Calculate the area of the triangle whose side are 18cm, 24cm and 30cm in length. Also, find the length of the altitude corresponding to the smallest side.

15. The Perimeter of an isosceles triangle is 32cm. The ratio of the equal side to its base is 3:2. Find the area of triangle.

16. A kite in the shape of a square with a diagonal 32cm and an isosceles triangle of base 8cm and sides 6cm each is to be made of three different shades as shown in the fig. How much paper of each shade has been used in it?

17. A field is in the shape of a trapezium whose parallel sides are 25m and 10m and non-parallel sides are 14m and 13m, Find the area of the Field.

18. The perimeter of a triangular field is 540m and its sides are in the ratio of 25:17:12. Find the area of the field. Also find the cost of ploughing the field at ₹ 5 per m^2.

Project

1. To make a Number Systems
2. To make a polynomials.

1. What is the difference between distance traveled by a body and its displacement? Explain with help of a diagram.

2. Define motion what do you understand by the terms 'uniform motion'? Explain with examples

3. A car is moving along a straight road at a steady speed. It travels 150 m in 5 seconds.

   a) What is its average speed?

   b) How far does it travel in 1 second?

   c) How far does it travel in 6 seconds?

   d) How long does it take to travel 240 m?

4. A train travels the first 15 km at a uniform speed of 30 km/h; the next 75 km at a uniform speed of 50 km/h; and the last 10 km at uniform speed of 20 km/h. Calculate the average speed for the entire train journey.

5. a. What is meant by the term 'acceleration'? State the SI unit of acceleration.

   b. Define the term 'uniform acceleration'. State the Si unit of retardation'. Give one example of a uniformly accelerated motion.

6. Abdul, while driving to school, computes the average speed for his trip to be 20 km/h on his return trip along the same route, there is less traffic and the average speed is 30 km/h. What is the average speed for Abdul's trip?

7. A boy walks from his classroom to the bookshop along a straight corridor towards North. He covers a distance of 20 m in 25 seconds to reach the bookshop. After buying a book, he travels the same distance in the same time to reach back in the classroom.

   Find a. **Average speed** b. A**verage velocity** of the body.

8. A car travels 100 km at a speed of 60 km/h and returns with a speed of 40 km/h., Calculate the average speed for the whole journey.

9. If on a round trip you travel 6 km and arrive back home:

   a. What distance have you travelled?

   b. What is your final displacement?

10. What is difference between vector and scalar?

PROJECT

1. To make motion?

2. To make Graphical representation of motion.

DAV PUBLIC SCHOOL DHURWA

SEC-III DHURWA ,RANCHI-04 AFILIATED TO CBSE 10+2 DELHI

HOLIDAY HOME WORK

SESSION-2022-2023

SUBJECT-ECONOMICS   CLASS-9

Q1)-Make a project on story of village palampur?(atleast-25 page)

Note-In A4 size paper and stick file

Q2)-Exercise and Class Notes of Chapter 1 (NCERT)

Q3)-How is land distributed between the farmers of palampur ?

Q4)-Explain the different organisations of productions ?

Q5)-Prepare a note of non farm activity taking place in your region ?

Q6)-How can the population of a nation becomes human capital ?

Q7)-Why is human capital considred to be the best resource? Explain?

HOLIDAY HOMEWORK

Class - IX   **Subject - Chemistry**

Assignment-

1. Give reason for the following observation :-

(a) the smell of hot sizzling food riches you several metres away but to get the smell of cold food you have to go close.

(b) suggest a method to liquefy atmospheric gases.

(c) why does a desert cooler cool better on a hot dry day?

(d) how does the water kept in an earthen pot becomes cool during summer?

(e) convert the following temperatures in Celsius scale (i) 300K (ii) 573 K (iii) 250K (iv) 107 K

(f) why is ice at 273k more effective in cooling than water at the same temperature.

(g) what produces more severe burns boiling water or steam?

(h) Give reason-

(i) what are at room temperature is a liquid.

(ii) an iron almirah is solid at room temperature.

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(i) what are at room temperature is a liquid.

(ii) an iron almirah is solid at room temperature.

(I) what are the various characteristics of particles of matter.

(j) a sample of water under study was found to boil at 102°C at normal atmospheric pressure is the water pure will this water freeze at 0°C. comment.

(k) show by an activity that the rate of inter mixing of particles depends upon the forces of attraction between them.

(l) with the help of an activities show that diffusion becomes faster with the increase temperature.

2. Students prepare a project report in a stick file with clearly mention each and every module with the help of suitable diagrams on topic States of matter and also the classification.

DAV public school

Sector 3 Dhurwa Ranchi

affiliated to CBSE (10 + 2)New Delhi

Holiday homework

class 9

subject -Hindi

प्रश्न(1) पाठ बच्चे काम पर जा रहे हैं" पर आधारित सुंदर- सा परियोजना कार्य तैयार करो ।(स्टिक फाइल में बनाना है) --
(For section-B)

(प्रमाण पत्र ,आभार ,क्रम सूची ,भूमिका ,कवि परिचय ,रचनाएं ,पुरस्कार ,भाषा शैली, साहित्यिक विशेषताएं ,कविता ,कविता का भावार्थ ,शब्दार्थ, प्रश्न उत्तर ,बालश्रम की परिभाषा,बालश्रम के प्रकार, बालश्रम के प्रकार, बालश्रम संबंधी कानून ,आप बालश्रम को कैसे रोकोगे? ग्रंथ सूची ,धन्यवाद ,)---चित्र के साथ होना चाहिए

प्रश्न (2)" दो बैलों की कथा "पाठ के आधार पर एक सुंदर सा परियोजना कार्य तैयार करो ।(स्टिक फाइल में बनाना है) (For Section -A)

(प्रमाण पत्र ,आभार, क्रम सूची ,भूमिका, लेखक परिचय, रचनाएं ,पुरस्कार, भाषा शैली साहित्यिक विशेषताएं, पाठ का सार ,शब्दार्थ ,प्रश्न उत्तर ,एकता में बल है पर लेख, एकता में बल है पर कहानी , ग्रंथ सूची ,धन्यवाद ।(चित्र के साथ होना चाहिए)

प्रश्न (3) एक सुंदर सा पोर्टफोलियो तैयार करो ।

प्रश्न (4)अलंकार किसे कहते हैं ?अलंकार के कितने भेद हैं ?परिभाषा और उदाहरण 10- 10 लिखो और याद करो।

प्रश्न (5)समास किसे कहते हैं ?समास की परिभाषा ,भेद एवं उदाहरण (10-10)के साथ लिखो और याद करो।

प्रश्न (6) दिए गए विषय पर अनुच्छेद लिखो

1)मन के हारे हार है मन के जीते जीत

 2) वन रहेंगे हम रहेंगे

 प्रश्न (7)फीस माफी हेतु प्रधानाचार्य को प्रार्थना पत्र लिखो ।

प्रश्न(8)पांच संवाद लिखो(जो तुम्हें पसंद हो)

Submission date 15/6/22

D.A.V PUBLIC SCHOOL DHURWA RANCHI

SEC-III, DHURWA RANCHI-4

AFFILIATED TO CBSE 10+2 DELHI

SESSION: 2022-23

HOLIDAY HOMEWORK

Class- IX   **Subject- Geography**

I.   Answer the following questions-:

1. Name the countries which are larger than India.
2. Write the name of India's Neighbors countries.
3. The easternmost longitude of India.
4. Name the group of islands laying in the Arabian Sea.

II.   Map Work-:

● On the outline map of India, mark and label the following-:
  - ● India states with capitals.
  - ● Tropic of cancer.

➢ On the outline map of India, mark and label the following-:
  - ● Mountain Ranges: The Karakorum, The Shivalik , The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats

D.A.V PUBLIC SCHOOL
Sec – III Dhurwa Ranchi – 4
Holiday Homework
Class 9B
Subject – English

1. Write a short summary of chapter "The Fun They Had".

2. Answer the following questions.
   - (i)   What is the role of a teacher in the life of a student ? How are human teacher is better than mechanical teacher.
   - (ii)   Do you agree that schools of todays better than the schools in chapters "The Fun They Had".
   - (iii)   It is firm discrimination and will power that make impossible to possible comment on the basis of chapter "The Sound Of Music".
   - (iv)   Describe all the poetic device of poetry "The Road Not Taken".
   - (v)   Justify the title of poetry "The Road Not Taken".
   - (vi)   Write 5 pages about the writer "Mulk Raj Anand".
   - (vii)   Write 5 pages about writer.
        - a) Rudyard Kipling
        - b) Ruskin bond
   - (viii)   How much parents are important, Write an article on the topic.
   - (ix)   How pets gives a claim and relaxation. Describe your own experience.

3. <u>PROJECT WORK :-</u>

1) Write an autobiography of Robert Frost. (10 pages)
2) Write a autobiography of any favourite person. (10 pages)
3) Draw a scenario of poetry of "The Road Not Taken".
4) Write a poetic device with explanation.
5) Write an email to your friend to congratulate on his success and selection of IIT JEE Mains.

Holiday home work
Class -9
Subject - Biology
Q.A. answer the following questions
Q.1. what is the utility of tissue in multicellular organism?
Q.2. What is tissue?
Q.3. Name the different types of simple tissue.
Q.4. Describe different types of meristem with diagram.
Q.5. Which tissue makes the husk of coconut?
Q.6. What are the components of phloem?
Q.7. Give three features of cardiac muscle.
Q.8. what does a neuron looks like describe with diagram.
Q.9. What are the function of areolar tissue?
Q.10.Name the tissue responsible for movements.
Q.11. Differentiate between three types of muscular tissue with diagram.
Q.B. For Internal assessment
Prepare a portfolio on the Topic -Natural resources
Types of natural resources, air ,water ,soil
Water cycle ,nitrogen cycle ,Oxygen cycle and carbon cycle.
Global warming and ozone layer depletion.   4:14 pm

DAV PUBLIC SCHOOL Sector-3,Dhurwa,Ranchi-4 Session-2022-23 SUMMER VACATION HOLIDAY HOMEWORK (SANSKRIT)

विषय:– संस्कृत (शैमुषि पाठ) (IX)

अभ्यास प्रश्ना:

प्रथमः पाठ: भारतीय वसन्तगीतिः
(1) श्लोक 1 , 2 , 3, 4 और अर्थ लिखे ।

(2) द्वितीय पाठ: - अभ्यासः 1 , 2 , 3, 4 का प्रश्न उत्तर लिखे

(3) "स्वर्णकाकः" गधांश का अर्थ हिन्दी में लिखें।

(4) पाठ-1 का प्रश्न 1 ,4 का उत्तर लिखे।

(5)तृतीय पाठ: –अभ्यास प्रश्ना –3,4 का उत्तर लिखे।

रचनात्मक कार्यम्

(6)स्वकक्षाध्यापकस्य विषये मित्रं प्रति प्रत्रं लिखत।

(7)"परोपकारः"विषयम् अनुच्छेद लेखनम पञ्च वाक्यानि

(8)अनुपयुक्त व्याकरणम् –सनिय तथा संधि-विच्छेद लिखत।
(9) परिभाषा –पाँच लिखें।

परियोजना कार्यम्

(10) चतुर्थ: पाठ: –अपना पाठ का 'कलपतख' का चित्र बनाकर उसके बारे में संस्कृत में लिखे। A4 साइज पेपर स्टीक फाईल में जमा करें।
अथवा
प्रथम पाठ भारतीय वसन्तभीतिः का करें।
(11) व्याकरण– शब्द रूप 'पिता' 'अथवा 'मातृ' लिखें।A4 साइज पेपर
(12) 'दृश' और 'अस' लट्, लृट, लोट लकार लगाकर घातु रूप लिखें।

संस्कृत शिक्षिका
चित्रलेखा झा