DAV PUBLIC SCHOOL
SECTOR-3 DHURWA RANCHI -04
AFFLIATED TO CBSE (10+2) NEW DELHI

SUMMER ASSIGNMENT   **CLASS-09**
(ECONOMICS)

Q1)Define the meaning and aim of productions?

Q2)Explain the problems that arises due to unequal distributions of land?

Q3)What problems do farm labourer face in terms of unemployment?Explain any three problems?

Q4)How do medium and large farmers make their own saving?How do they utilize it?Explain?

Q5)What is modern farming methods ?What are its Drawbacks?

Q6)Modern farming methods require more inputs, which are manufactured in industry. Do you agree?

Q7) How did the spread of electricity help farmers in Palampur?

Q8)Is it important to increase the area under irrigation?

Q9)Construct a table on the distribution of land among the 450 families in Palampur.?

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Q11) In your region talk to two labourer. Choose either farm labourer or labourer working at construction sites. What wages do they get? Are they paid in cash or kind? Do they get work regularly? Are they in debt?

Q12) What are the different ways of increasing production on the same piece of land? Use examples to Explain.?

Q13)Describe the work of a farmer with 1 hectare of land.?

Q14)How do medium and large farmers obtain capital for farming? How is it different from the small farmers?

Q15) On what terms did Savita get a loan from Tajpal Singh? Would Savita's condition be different if she could get a loan from the bank at a low rate of interest?

Q16) Talk to some old residents in your region and write a short report on the changes in irrigation and changes in production methods during the last 30 years. (Optional)?

Q17)What are the non-farm production activities taking place in your region? Make a shortlist.?

Q18)What can be done so that more non-farm production activities can be started in villages?

ART INTEGRATED PROJECT

Make a art integrated project on the topic of Pandemic and The Global Economy

DAV public school

Sector 3 Dhurwa Ranchi

affiliated to CBSE (10 + 2)New Delhi

Holiday homework

class 9(2023-24)

subject -Hindi

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

(प्रमाण पत्र ,आभार ,क्रम सूची ,भूमिका ,कवि परिचय ,रचनाएं ,पुरस्कार ,भाषा शैली, साहित्यिक विशेषताएं ,कविता ,कविता का भावार्थ ,शब्दार्थ ,बालश्रम की परिभाषा,बालश्रम के प्रकार, बाल श्रम संबंधी कविता, बालश्रम संबंधी कानून , झारखंड और तेलंगाना में बालश्रम की स्थिति ,आप बालश्रम को कैसे रोकोगे?---चित्र के साथ होना चाहिए)

प्रश्न (2) एक सुंदर सा पोर्टफोलियो तैयार करो ।

प्रश्न (3)अलंकार किसे कहते हैं ?अलंकार के कितने भेद हैं ?परिभाषा और उदाहरण 10- 10 लिखो और याद करो।

प्रश्न (4) उपसर्ग और प्रत्यय किसे कहते हैं? परिभाषा के साथ उदाहरण (10-10) लिखो और याद करो।

प्रश्न (5) दिए गए विषय पर अनुच्छेद लिखो

1)मन के हारे हार है मन के जीते जीत

 2) वन रहेंगे हम रहेंगे

 प्रश्न (6) दो औपचारिक और दो अनौपचारिक पत्र लिखो ।

प्रश्न(5)पांच संवाद लिखो(जो तुम्हें पसंद हो)

Submission date 2 0/6/23

DAV PUBLIC SCHOOL

Sec-3, Dhurwa RANCHI 4

Affiliated to CBSE Delhi

Session 2023-24

HOLIDAY HOMEWORK

CLASS – 9TH   **SUB- HISTORY**

1. Describe the circumstances leading to the outbreak of revolutionary protest In France.
2. Would you agree with the view that the message of Universal rights was beset with contradictions?
3. How would you explain the rise of Napoleon Bonaparte?
4. Describe the legacy of the French Revolution for the people of the World during the 19th and 20th centuries?

PROJECT:

French Revolution on Art integration. (Go through the you tube link)

CLASS – 9TH   **SUB- CIVICS**

1. I have heard a different version .Democracy is off the people, far (from) the people and (where they) buy the people. Why don't we accepts that?
2. What would have happened if India was not a democracy? Could we have stayed together as a single nation?
3. Here is some information about four countries. Based on this information how would you classify each of these countries? Write democratic, undemocratic or not sure against each of these.
a) Country a people who don't accept the country's official religion i.e. Do not have right to vote.
b) Country B the same party has been winning elections for the last twenty years.
c) Country C Ruling party has lost in the last three elections.
d) Country D there is no independent election commission .

Q 4 which of there is not a good argument in favour of democracy ? why ?

a) people feel free and equal in a democracy
b) Democratic government is more accountable to the people
c) Democracies resolve conflict in a better way than others .
d) Democracies are more prosperous than others .

5. Write a response to the following arguments against Democracy.

a) Army is the most disciplined and corruption free organization in the country. Therefore Army should rule the country.

b) Rule of the majority means the rule of ignorant people. What we need is the rule of the wise, even if they are in small numbers.

c) If we want religious leaders to guide is in spiritual matters, why not invite them to guide us in politics as well the country should be ruled by religious leaders.

PROJECT:

Do the project on Art Integrations Democracy (Go through the you tube link)

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Art integrated project work topic-The himalayan mountains.

   Content for project work
1.introduction to himalays.
2.Formation of himalayas.
3.Longitudinal diviaion of Himalays.
4.Histrical significance of Himalays.
5.coclusion.

QUESTIONS

1. Chapter-1 Exercises1 and 2.
2The central location of india at the head of the ocean is considered of great significance why?
3.map skills
. Identify the following with the help of map reading
.the island group of india lying in the arabian sea and the bay of bangel.
.The sates through which the tropic of cancer passes.
4.chapter-2Exercisrs 1
5.wrte short notes on the following.
(a) The indian Desert.
(b) The central highlands.
(c)the island group of india.

DAV PUBLIC SCHOOL DHURWA RANCHI

AFFILIATED TO CBSE (10+2)

SUMMER HOLIDAY ASSIGNMENT (2023-24)

CLASS IX   **SUBJECT - CHEMISTRY**

Answer the following questions in the most creative, accurate and innovative manner.

SECTION -A

Q.1   Ice , Water and steam are the three states of a substance and not different substances justify your answer ?

Q.2 The rate of evaporation of a liquid increases one heating explain?

Q.3 Explain with the help of a labelled diagram describe in brief and activity to show the sublimations of ammonium chloride ?

Q.4 Why evaporation is called surface phenomenon ?

Q.5 Describe the help of an activity to show the rate of evaporation increases with surface area .

Q.6. Why do we feel comfortable under a fan when we are perspiring ?

Q.7 Explain the interconversions of three States of matter with the help of flowchart. Name the process of each conversion ?

Q.8. When 50 gram of sugar dissolve in 100 ml of water there is no increase in the volume of water what characteristics of matter is illustrated by this observation ?

Q.9. Why do we see the water droplets on the outer surface of a glass containing Ice cold water?

SECTION - B

 Answer the following value based questions.

Q.1. When a crystal of potassium permanganate is placed in a beaker containing water its purple colour spreads throughouts the water. What do you conclude from the observation about the nature of potassium permanganate and water ?

Q.2. Why does the temperature of a substance remains constants during its melting points or boiling point ?

Q.3. Suggest with the help of an activity to show that the rate of diffusion of liquids decreases with increase in density of the liquid .

Q.4. How does evaporation differ from boiling process give reason ?

Q.5. Discuss the various factors which affect the rate of evaporation. latent heat of two liquids A and B is 100 joules per kg and 150 joules per kg respectively .Which one can produce more cooling effect and why ?

Q.6. A sample of water under study was found to boil at 102° c at normal temperature and pressure . Is the water pure ? Will this water freeze at 0°c comment your statement ?

Q.7. Why do Ice rubbed on a burnt part of the skin ?

Q.8. Convert the following scales of temperatures .

(a) - 78 degree Celsius to Kelvin scale of temperature.

(b) 775 Kelvin to degree Celsius .

(c). 489 Kelvin to degree Celsius.

(d) 24 degree Celsius to Kelvin scale of temperature.

SECTION - C (PROJECT)

Q.1. STUDENTS HAVE TO PREPARE A DETAILED PROJECT REPORTS ON DIFFERENT STATES OF MATTER IN A STICK FILE INCLUDING 4TH AND FIFTH STATES OF MATTER BASED ON ART INTEGRATION WITH CLEARLY MENTIONED EACH AND EVERY MODULES WITH THE HELP OF SOME SUITABLE DIAGRAMATIC REPRESENTED MODEL.AND ALSO THE PROJECT IS WELL DOCUMENTED .

Class-9   Subject-Computer

1. Holy Day Home work-

Explain about Impact and non impact Printer, scanner, Web camera, Joystick, ROM&RAM.

2. Project Work-

Draw and colour of opening screen of MSWord on chart paper.

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ART INTEGRATED PROJECT

Make a art integrated project on the topic of Pandemic and The Global Economy

Holiday Homework

Class -9 (2023-24)

Subject -Biology.

Q. A. Make a project on Natural resources based on art integrated.

Prepare a brief write up on Topic - Natural resources.

Types of natural resources - air water and soil.

Biogeochemical cycle - water, nitrogen ,Oxygen and carbon dioxide cycle.

Global warming and ozone layer depletion.

Q. B.1. Write questions answers of chap -Fundamental unit of life from NCERT Book .

  2. Draw the well labeled diagram of plant and animal cells.

DAV PUBLIC SCHOOL

SECTOR-3, DHURWA, RANCHI.

(AFFILIATED TO CBSE 10+2)

SUMMER ASSIGNMENT

CLASS-9

SUBJECT-PHYSICS

1. Define the following terms with SI unit
   a. Acceleration
   b. Velocity
   c. Speed
   d. Distance
   e. Displacement
   f. Vector
   g. Scalar
   h. Average velocity
   i. Average speed
   j. Uniform motion
   k. Non uniform motion
2. Difference between the following
   a. Scalar and Vector
   b. Distance and Displacement

    c. Average speed and Average Velocity

    d. Speed and Velocity

3. Draw a graph for the following

    a. Displacement time graph

    b. Velocity time graph

4. An object has move to the distance. Can it up zero displacement? If yes, support your answer with an example.

5. A farmer moves along the boundary of a square field of side 10 m in 40 seconds. What will be the magnitude of displacement of the farmer at the end of 2 minute 20 seconds for his initial position?

6. Which of the following is true for displacement?

    a. It cannot be zero.

    b. It's magnitude is greater than distance travel by the object.

7. A train starting from a railway station and moving with uniform acceleration attains a speed of 40 km/h and 10 minutes. Find the acceleration.

8. An athlete complete one round of a circular track of diameter 200 m and 40 seconds. What will be the distance covered and displacement at the end of 2 minutes 20 seconds?

9. Joseph jobs from one and A to the other end B of a straight 300 m wrote in 2 minutes 30 second and then turns around and jogs 100 m back to point C in another 1 minute. What are Joseph's average speed and velocities in jogging from

   a. A to B and b. A to C

10. Abdul, while driving to school, computers the average speed for his trip to be 200 km/h. On his return trip along the same route, there is less traffic and the average speed 30 km/h. What is the average speed for Abdul's trip?

11. What is the nature of distance time graphs for uniform and non uniform motions of an object?

12. What can you say about the motion of an object whose distance time graph is a straight line parallel to Time axis?

13. What can you say about the motion of an object if its speed time graph is a straight line parallel to time?

14. What is the quantity which is measured by the area occupied below the velocity time graph?

Project-

   1. Make a project on Motion
   2. Make a project on Velocity time graph

ART INTEGRATED PROJECT ON ANY <u>ONE</u> OF THE FOLLOWING:-

Make a project on Motion

Make a project on Velocity time graph

NOTE:- MAKE YOUR SUMMER ASSIGNMENT IN A SEPARATE COPY

DAV PUBLIC SCHOOL, SECTOR – III, DHURWA, RANCHI-4

(Affiliated to CBSE 10 + 2)

SUMMER ASSIGNMENT (2023-24)

CLASS- 9

SUBJECT – MATHEMATICS

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

   (i) $0.\overline{53}$ (ii) $2.\overline{93}$ (iii) $0.\overline{235}$ (iv) $2.4\overline{178}$ (v) $0.\overline{001}$

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

3. Find the value of $\sqrt{4.3}$ geometrically

4. Locate 3.895 on the number line.

5. Visualize the representation of $2.\overline{32}$ on the number line up to 4 decimal place.

6. Rationalise the denominator of each of the following.

   (i) $\frac{4}{\sqrt{11}-\sqrt{7}}$ (ii)$\frac{1+\sqrt{2}}{2-\sqrt{2}}$ (iii)$\frac{3-2\sqrt{2}}{3+2\sqrt{2}}$

7. Simplify by rationalizing the denominator

   (i)$\frac{7\sqrt{3}-\sqrt{2}}{\sqrt{48}+\sqrt{18}}$ (ii)$\frac{2\sqrt{6}-\sqrt{5}}{3\sqrt{5}-2\sqrt{6}}$ (iii)$\frac{\sqrt{5}+\sqrt{2}}{\sqrt{5}-\sqrt{2}}$ (iv)$\frac{1+2\sqrt{3}}{2-\sqrt{3}}$

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

9. The adjacent sides of a parallelogram are 36 cm and 27 cm in length. If the distance between the shorter sides is 12 cm, find the distance between the longer sides

10. If P(x)=x³+x² -9x – 9 . Find P(0), P(3), P(-3), and P(-1). What do you conclude about the zeroes of P(x)? Is 0 a zeros of P(x) ?

11. If P(x) = x³ – 3x², find P(0), P(1), P(2) what do you conclude ?

12. Using the remainder theorem, find the remainder, when P(x) id divided by g(x) when

    (i)   P(x) = x³ -6x²+9x+3, g(x)=x-1

(ii) $P(x) = 2x^3 -7x^2+9x-13$, $g(x)=x-3$

(iii) $P(x) = x^3 -6x^2+2x-4$, $g(x)=1-\frac{3}{2}x$

(iv) $P(x) = 2x^3 +3x^2-11x-3$, $g(x)=x+\frac{1}{2}$

(v) $P(x) = x^3 -ax^2+6x-a$, $g(x)=x-a$

13. Simplify

(i) $2^{2/3} \times 2^{1/3}$ (ii) $2^{2/3} \times 2^{1/15}$

14. Simplify

(i) $(\frac{81}{49})^{-3/2}$ (ii) $(\frac{32}{243})^{-4/5}$ (iii) $(125)^{1/3}$ (iv) $(64)^{1/6}$

15. $(\frac{64}{125})^{-2/3} +(\frac{256}{625})+ (\frac{3}{7})^0$

16. The sides of a triangle are in the ratio 5:12:13 and its perimeter is 150 m. Find the area of the triangle.

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

18. Find the area of an isosceles triangle each of whose equal sides measures 13 cm and whose base measures 20 cm

19. The area of an isosceles triangle measures 80 cm and its area is 360 cm^2. Find the perimeter of the triangle.

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

Project:-

1. Make a project on Number System
2. Make a project on Polynomial
3. Make a project on Heron's formula

Art Integrated Project on any one of the following :-

Number System

Polynomial

Heron's formula

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3. Find the value of $\sqrt{4.3}$ geometrically

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(ii) $P(x) = 2x^3 - 7x^2 + 9x - 13$, $g(x) = x - 3$

(iii) $P(x) = x^3 - 6x^2 + 2x - 4$, $g(x) = 1 - \frac{3}{2}x$

(iv) $P(x) = 2x^3 + 3x^2 - 11x - 3$, $g(x) = x + \frac{1}{2}$

(v) $P(x) = x^3 - ax^2 + 6x - a$, $g(x) = x - a$

13. Simplify

(i) $2^{2/3} \times 2^{1/3}$ (ii) $2^{2/3} \times 2^{1/15}$

14. Simplify

(i) $\left(\frac{81}{49}\right)^{-3/2}$ (ii) $\left(\frac{32}{243}\right)^{-4/5}$ (iii) $(125)^{1/3}$ (iv) $(64)^{1/6}$

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