KENDRIYA VIDYALLAYA SECL DHANPURI

SUMMER VACATION HOME WORK

CLASS-IX TH

Subject-Social Science

✓ **All the questions must be done in the most creative, accurate and innovative manner**

✓ **The activities must be done in the HOME WORK note book itself.**

✓ **Usage of pictures and graphs is compulsory for the activities**

 THE FOLLOWING ASSIGNMENT HAS TO BE DONE IN THE NOTEBOOKS:

1. What was Jacobin club?

2. Name any 3 non farm activities that were performed by people in Palampur?

3. Why does India use a standard meridian? What is the standard meridian for India?

4. Elaborate the French society structure in the 18 century.

5. Why is that the northern plain the most populated and island is moderately

populated?

 6. Write Rise and fall of Napoleon Bonaparte make a album of Napoleon ?

 7. What is the latitudinal and longitudinal extent of India?

 8. How did the businessmen pursue their work in Palampur?

 9.Write the Merits and Demerits of Democracy?

10.What are the modern tools and techniques used by the farmers now a days make.alist of it and write about formal and non formal source of credit?

11.Make a manuscript: Take a broad leaf. Put it under a heavy book for ten days. On the leaf write the preamble of the indian constitution?

12. make a political map of India and find out following places-

  1. NTPC Korba   2. NTPC Seepat   3. Rourkela   4. Bhilai   5.Bokaro

KENDRIYA VIDYALAYA SECL DHANPURI SUMMER VACATION HOMEWORK

Class 9-A

PROJECT:

Q1. Write the contribution of the following scientist in the study of the cell:

ØRobert hooke

ØPurkinje

ØLeeuwenhoek

ØRobert brown

ØSchleiden and schwann

Q2. Write a note on "FUNDAMENTAL UNIT OF LIFE" .

Q3. Prepare 20 MCQs from the chapter "Matter in our surrounding".

Q4. Ice, water and steam are three states of a substance and not different substances. Justify?

Q5. What are the main functions of each of the following components?

a) Plasma membrane

b) Mitochondria

c) Nucleus

d) Ribosomes

Q6. What are the different types of endoplasmic reticulum? Write the function of each.

Q7. Name

a) An organelle which has its own genetic material

b) An organelle rich in digestive enzymes.

c) Nucleic acid present in nucleus.

Q8. Which kind of plastid is more common in

a) Roots of the plant

b) Leaves of the plant

c) Flowers and fruits

Q9. Illustrate a plant cell as seen under electron microscope. How is it different from animal cell?

Q10. Draw a displacement- time graph for a body moving with uniform velocity?

Q11. Identify the kind of motion in the following cases:

a) A car moving with constant speed turning around a curve.

b) An electron orbiting around nucleus.

a) A train starting from rest attains a velocity of 72km/hr in 5 minutes, assuming the acceleration is uniform, find

a) The acceleration

b) The distance travelled by the train for attaining this velocity.

Q13. Velocity time graph for the motion of an object in a straight path is a straight line parallel to the time axis.

a) Identify the nature of motion of the body.

b) Find the acceleration of the body.

c) Draw the shape of distance-time graph for this type of motion.

Q14.

a) What do you understand by mass of a body?

b) Is mass a scalar or vector? State its SI units.

Q15) Lysosomes are known as the suicide bag of the cell. Give reason?

Q16) the rate of evaporation of a liquid increases on heating. Explain.

Q17) with the help of a labelled diagram, describe in brief an activity to show sublimation of ammonium chloride?

Q18) PISA BASED If cells of onion peel and RBC are separately kept in hypotonic solution, what among the following will take place? Explain the reason for your answer.

- (a) Both the cells will swell.
- (b) RBC will burst easily while cells of onion peel will resist the bursting to some extent.
- (c) a and b both are correct.
- (d) RBC and onion peel cells will behave similarly.

?

Q19) compare in tabular form the properties of solids, liquids and gases with respect to

i)   Shape

ii)   Volume

iii)   Compressibility

iv)   Diffusion

v)   Fluidity or rigidity

Q20) why evaporation is called surface phenomenon?

Q21) name the SI unit of measuring temperature.

The boiling point of water is 100°C under atmospheric pressure. Convert this temperature in SI units.

Q22) Observe the apparatus given in page 22 fig.2.10 and answer the following questions:

a) Name the apparatus.

b) State one use of the apparatus.

c) State the principle involved in this process.

Q23) A bus travels a distance 120km with a speed of 40km/hr and returns with a speed of 30km/h. calculate the average speed for the entire journey.

Q24)

a) What is endoplasmic reticulum?

b) Describe its structure.

c) Name the two types of endoplasmic reticulum.

d) What crucial role does it play in the liver cells of vrtebrates?

e) What is membrane biogenesis?

Q25)

a) what is a cell? Why is a cell called the structural and functional unit of life?

b) Why is the plasma membrane called a selectively permeable membrane?

Q26) if the mass of the body is doubled what will happen to its acceleration, if the applied force remains constant?

Q27)

      a) What temperature in kelvin scale is equal to $50^{O}c$?

      b) Describe an activity to show that rate of evaporation increases with surface area.

      c) State two differences between evaporation and boiling.

SOLVE THE PAPER   MM:30

Q1. Which organelles other than nucleus contain DNA?
1 mark   Q2. Name the process which occurs when a drop of Dettol is added to water?

1 mark Q3. Draw velocity- time graph, when an object has uniformly accelerated velocity

1 mark   Q4. Differentiate between:
2 mark
a) Prokaryotic and eukaryotic cell b) plant cell and animal cell

Q5.Give reasons:-
2 mark
a) why do we feel comfortable under a fan when we are perspiring?

b)Why do wet clothes dry quickly in the sun than in the shade?

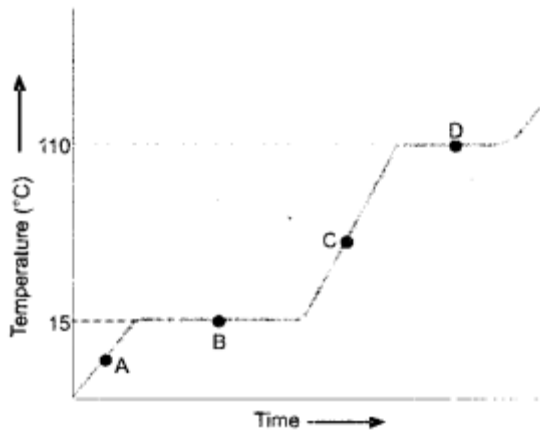Q6. A bus decreases its speed from 80Km/hr to 60 Km/h in 5 s. find the acceleration of the bus?
2 mark

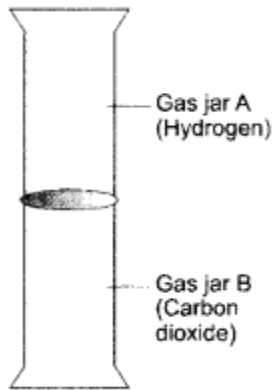Q7. Why are lysosomes known as the "suicide bag of the cell"?
2 Mark

Q8. Explain interconversion of three states of matter with thehelp of flow chart. Name the process of each conversion?

Q9-(**PISA BASED)** The given graph shows the heating curve for a pure substance. The temperature rises with time as the substance is heated :

1. What is the physical state of the substance at the points A, B, C and D ?
2. What is the melting point of the substance ?
3. What is its boiling point ?
4. What happens to the temperature while the substance is changing state ?
5. The substance is not water. How can you judge from the graph ?

Q10.(**PISA BASED)** The diagram shows an experiment in which gases hydrogen and carbon dioxide are placed in two jars as shown in the figure. If the lid separating the two jars be removed, what will the constituents in the gas jar A after a few minutes ?

Gas jar A
(Hydrogen)

Gas jar B
(Carbon
dioxide)

a) carbon dioxide only
(b) hydrogen only
(c) mixture of carbon dioxide and hydrogen

Q11. Distinguish in tabular form between solids, liquids and gases under the following characteristics:
5 mark

1) Intermolecular attraction

2) Density

3) Kinetic energy of particles at a given temperature

Arrange the following in the increasing order of

a) Force of attraction

b) Density

Iron nail, kerosene, oxygen gas

Q12) state reason for the following:-
5 mark

a) Cell is called as the structural and functional unit of life.

b) Plastids are able to make their own protein

c) Plant cells shrink when kept in hypertonic solution.

d) Mitochondria is known as the power house of the cell.

e) What happen when golgi apparatus is removed from the cell.

KV SECL DHANPURI

SUMMER VACATION HOMEWORK (2021-22)

SUBJECT ENGLISH   CLASS - IX

Q.1. Make a weekly diary entry. (2 Entries)

Q.2. Write and learn all the question answers of the chapter which have been discussed yet.

Q.3. Prepare a project file on your favourite poet , write his bio-sketch, major works and achievements and also write the central idea of one of his poems.

Q 4. Article Writing:

  a) Importance of being Honest

  b) Online classes VS Face to face class

Q.5 Collect the following information regarding Nagaland State.

  1. When did it come in existence?

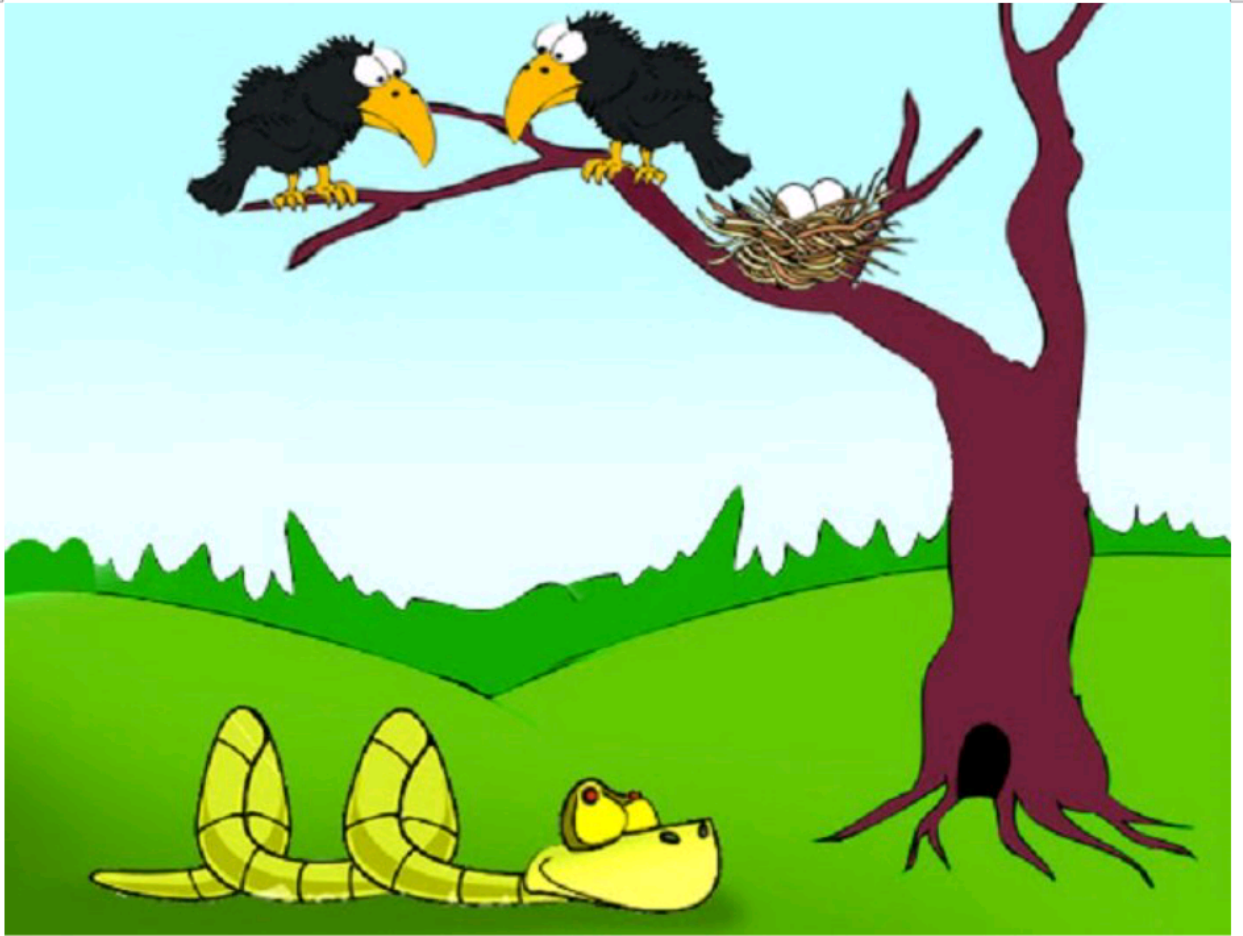 2. Name some important festivals of Nagaland.

  3. Name some famous sports persons of Nagaland.

  4.   Write about flora and fauna of Nagaland (100 words)

  5. Natural resources of Nagaland (100 words)

Q.6   Write story on the following visual inputs.

Q 7 . Solve Pisa Based Questions (CCT ASSIGNMENT) For English (next page).

PEANUT Allergy Alert
Lemon Cream BISCUITS

Date of alert: 04 February
Manufacturer's Name: Fine Foods Ltd Product
Information: 125g Lemon Cream Biscuits
(Best before 18 June and Best before 01 July)
Details: Some biscuits in these batches may contain pieces of peanut, which are not included in the ingredient list. People with an allergy to peanuts should not eat these biscuits.
Consumer action: If you have bought these biscuits you may return the product to the place of purchase for a full refund.
Or call 1800 034 241 for further information.

This public notice consists of a very short text that has an everyday function: to warn about the possible danger of a product to consumers and to give advice to return the product for a refund. While the formatting of the stimulus reflects the international standard for product recall notices, many students may not have seen this kind of notice. Nevertheless, the content of the warning is clearly set out and a minimum number of words is used. Lemon biscuits were chosen as the product because of their familiarity and likely appeal.

In developing very short easy items, the test developers sought to use simple pieces of stimulus with familiar content. This was not only to make the cognitive load of the items lighter, but also to present texts that were unlikely to intimidate students with low reading proficiency, since such readers can easily be discouraged from even attempting to read something that they believe looks too hard or too long. The text format classification of the supermarket notice is non-continuous, as it consists of a list of described features. In terms of text type, the notice is instructional: it provides directions on what to do if you have bought the product.

QUESTION 1: Supermarket Notice

What is the PURPOSE of this notice?
A.   To advertise Lemon Cream BISCUITS.
B.   To tell people when the BISCUITS were made.
C.   To warn people ABOUT the BISCUITS.
D.   To explain where to BUY Lemon Cream BISCUITS.

Framework Characteristics

Situation	Public
Medium	Print
Text format	Non-continuous
Text type	Instruction
Aspect	Integrate and interpret: Form a broad understanding
Question intent	Recognise the main idea of a short text by combining adjacent pieces of information
Item format	Multiple choice

QUESTION 2: Supermarket Notice
What is the name of the company that made the BISCUITS?
....

Framework Characteristics

Situation	Public
Medium	Print
Text format	Non-continuous
Text type	Instr uction
Aspect	Access and retrieve: Retrieve information
Question intent	Locate a synonymous match in a short text
Item format	Closed constructed response

QUESTION 3: Supermarket Notice

What WOULD YOU do if YOU had BOUGHT these BISCUITS?

....

Why WOULD YOU do this?
Use information from the text to SUPPORT YOUR answer.

....

....

Framework Characteristics

Situation	Public
Medium	Print
Text format	Non-continuous
Text type	Instruction
Aspect	Reflect and evaluate: Reflect on and evaluate the content of a text
Question intent	Hypothesise about a personal course of action in response to the information in a text
Item format	Open constructed response

QUESTION 4: Supermarket Notice

Why does the notice INCLUDE "Best before" dates?

....

....

Framework Characteristics

Situation	Public
Medium	Print
Text format	Non-continuous
Text type	Instruction
Aspect	Integrate and interpret: Develop an interpretation
Question Intent	Identify the purpose of a conventional feature included in a short text
Item format	Open constructed response

SUMMER VACATIONS HOMEWORK
CLASS - IXth , SUBJECT - MATHS

Q.01- Solve the following and find 3 rational between

   I) 1/3 & ½

   II) -2 & 0

Q.02- Write 2 rational numbers between 2/3 & 5/6

Q.03- Which of the following decimal have terminating

   I) 7/20

   II) 2/13

   III) 23/7

   IV) 133/125

Q.04- Express these in the form of p/q

   I) 0 . $\overline{6}$ (Bar 6)

   II) 0.$\overline{27}$ (Bar 27)

   III) 3.$\overline{7}$ (Bar 7)

Q.05- Identify that following are rational or irrational

   I) √121 (Root 121)

   II) (3+√5)-√5

   III) 2√27 / √3 (Root 27 & root 3)

   IV) √135 (Root 135)

   V) 1.$\overline{21}$ (Bar 21)

   VI) 1.101001000.......

Q.06- Rationalise

   I) $\sqrt{5} / \sqrt{3}+\sqrt{2}$

   II) $2+\sqrt{3} / \sqrt{7}-\sqrt{2}$

   III) $4 / \sqrt{7}+\sqrt{3}$

Q.07- Find the value of a & b, if

   I) $\sqrt{3}-1 / \sqrt{3}+1 = a+b\sqrt{3}$

   II) $\sqrt{3}+2 / \sqrt{3}-2 = a+b\sqrt{2}$

   III) $\sqrt{7}-1 / \sqrt{7}+1 - \sqrt{7}+1 / \sqrt{7}-1 = a+b\sqrt{7}$

Q.08- Simplify the following

   I) $(\sqrt{2}+2)^2$

   II) $(2-\sqrt{2})(2+\sqrt{2})$

   III) $(\sqrt{2}+\sqrt{3})^2$

Q.09- Find the remainder when (y^3+y^2-2y+5) is divided by (y-5) with division method.

Q.10- Find the remainder when polynomial (x^4-3x^2+2x-5) is divided by (x-2) by remainder theorem.

Q.11- Complete chapter 1st and chapter 2nd.

Q.12- Revise chapter 1st and chapter 2nd.

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कक्षा -9 संस्कृत

1- पढ़ाएगएपाठोंकीपुनरावृतिकरनाहै

2- पढ़ाएगएपाठोंकाप्रश्नोत्तरपूर्णकरनाहै

3-व्याकरणकेअंतर्गतवर्णमालालिखनाहैतथाउच्चारणस्थानतालिकाबनानाहै

4- 5 पेजसुलेखसंस्कृतमेंलिखनाहै

5- स्वर्णकारकापाठकासारांशहिंदीमेंलिखनाहै!

केन्द्रीय विद्यालय एस ई सी एल धनपुरी

अवकाशकालीन गृह कार्य

विषय हिन्दी

1. प्रतिदिन एक गद्यांश को ध्यान से पढ़ना तथा श्रुतिलेख लिखना | (5 गद्यांश)
2. दो बैलों की कथा का सार अपने शब्दों में लिखों ?
3. कबीर दास के द्वारा रचित पदों का सार लिखना |
4. किसी पर्वतीय यात्रा का वर्णन लिखना |
5. अव्ययीभाव, कर्मधारय, तथा द्विगु समास के 10-10 उदाहरण लिखों |
6. उपसर्ग किसे कहते हैं किसी एक उपसर्ग के 10 उदाहरण लिखों |
7. प्रत्यय किसे कहते हैं ? किन्ही दो प्रत्ययो के 10 -10 उदाहरण लिखों
8. शुल्कमाफी तथा मास्क पहनने की अनिवार्यता के सन्दर्भ में एक एक पत्र लिखिए |
9. कोई दो शिक्षाप्रद कहानी लिखों |
10. अपना प्रिय कवि या लेखक या कोरोना काल में ऑनलाइन कक्षा तथा घर का परिदृश्य विषय पर 10 पेजों का एक परियोजना कार्य तैयार करों |