

SANT NIRANKARI PUBLIC SCHOOL, FARIDABAD

CLASS IX (SESSION 2020-21)

SUBJECT: SCIENCE

SCIENCE HOMEWORK/ASSIGNMENT/WORKSHEET

3rd, April 2020

1. Prepare a report on disease caused by virus dengue fever and coronavirus, its means of spread, treatment and prevention on A-4 sheet.

4th, April 2020

2. Draw diagrams of plant cell and animal cell and labelled also.

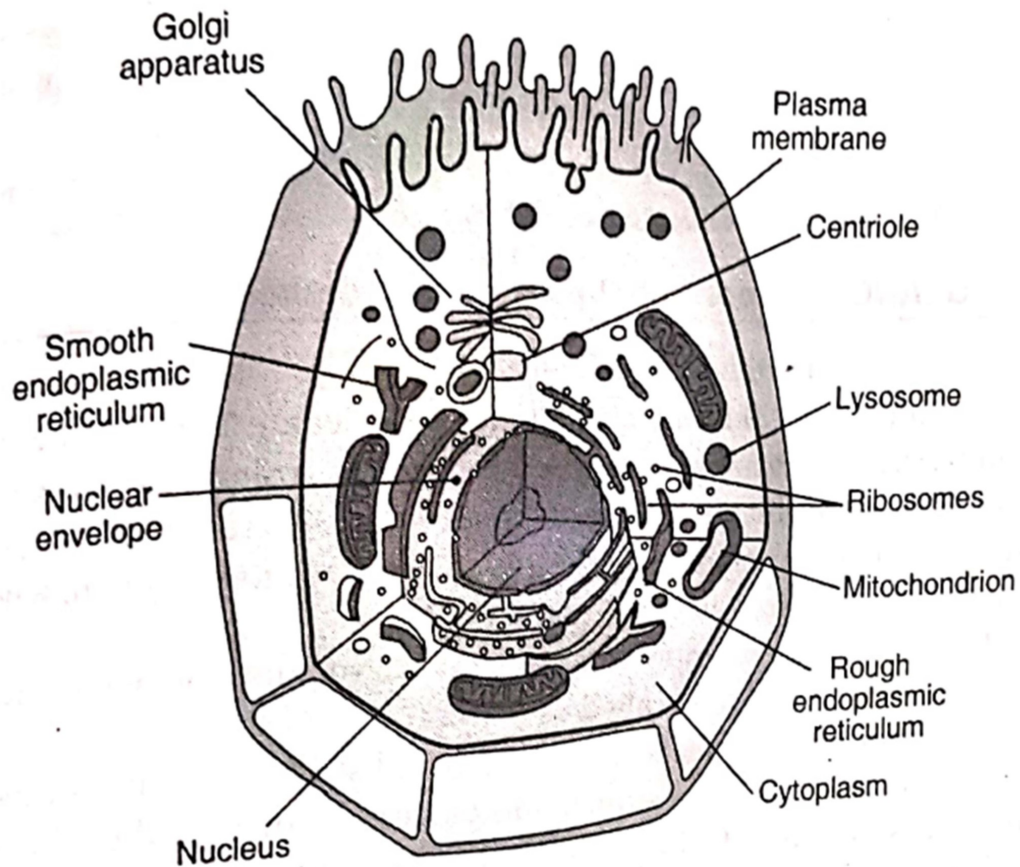
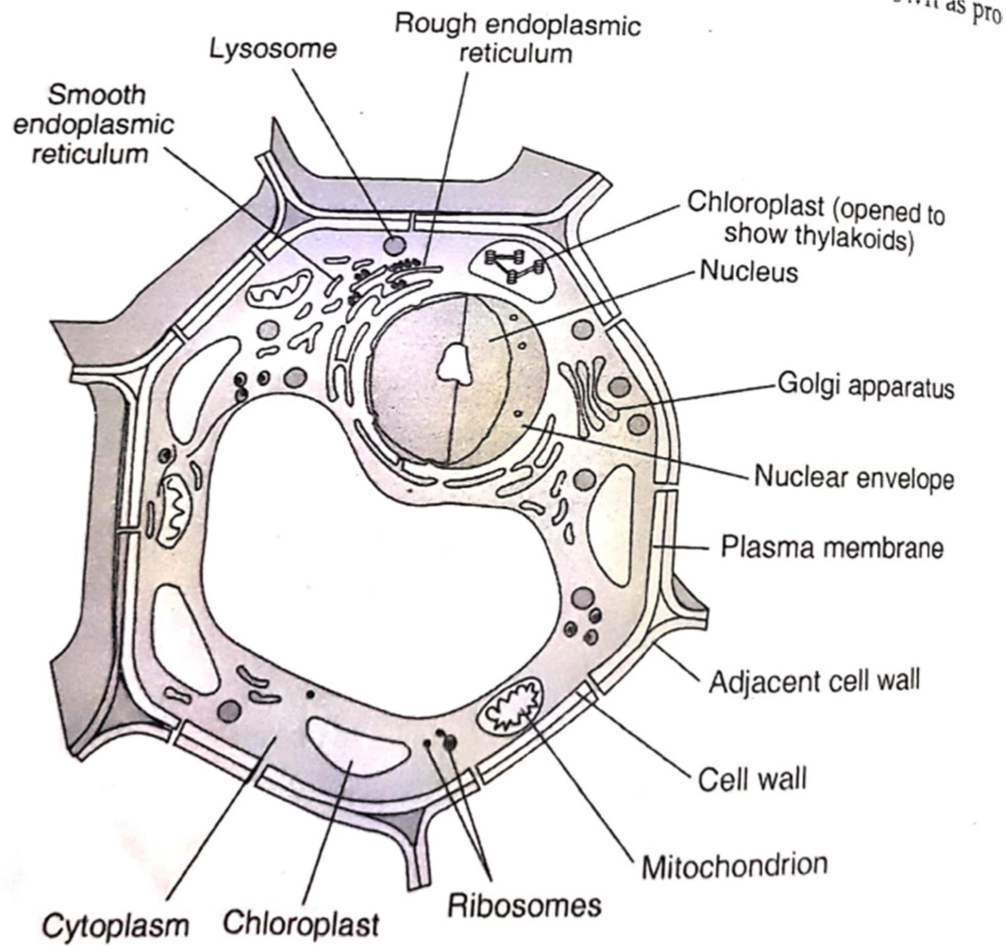


Fig. 3.13 Animal cell



6th April 2020

3. Learn symbols and valency of the following elements:

Symbols for some elements

3.4

Element	Symbol	Element	Symbol	Element	Symbol
Aluminium	Al	Copper	Cu	Nitrogen	N
Argon	Ar	Fluorine	F	Oxygen	O
Barium	Ba	Gold	Au	Potassium	K
Boron	B	Hydrogen	H	Silicon	Si
Bromine	Br	Iodine	I	Silver	Ag
Calcium	Ca	Iron	Fe	Sodium	Na
Carbon	C	Lead	Pb	Sulphur	S
Chlorine	Cl	Magnesium	Mg	Uranium	U
Cobalt	Co	Neon	Ne	Zinc	Zn

Names and symbols of some ions						
Valency	Name of ion	Symbol	Non-metallic element	Symbol	Polyatomic ions	Symbol
1.	Sodium	Na ⁺	Hydrogen Hydride Chloride Bromide Iodide	H ⁺	Ammonium Hydroxide Nitrate Hydrogen carbonate	NH ₄ ⁺
	Potassium	K ⁺		H ⁻		OH ⁻
	Silver	Ag ⁺		Cl ⁻		NO ₃ ⁻
	Copper (I)*	Cu ⁺		Br ⁻		HCO ₃ ⁻
2.	Magnesium	Mg ²⁺	Oxide Sulphide	O ²⁻	Carbonate Sulphite Sulphate	CO ₃ ²⁻
	Calcium	Ca ²⁺		S ²⁻		SO ₃ ²⁻
	Zinc	Zn ²⁺				SO ₄ ²⁻
	Iron (II)*	Fe ²⁺				
	Copper (II)*	Cu ²⁺				
3.	Aluminium	Al ³⁺	Nitride	N ³⁻	Phosphate	PO ₄ ³⁻
	Iron (III)*	Fe ³⁺				

7th April 2020

4. Find out answers from the following paragraphs.

21. Answer question numbers (a)–(d) on the basis of your understanding of the following paragraph and the related studied concepts.

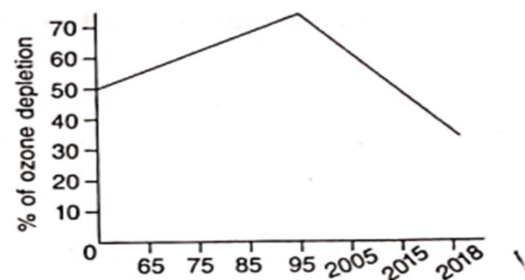
Ozone or trioxygen is an inorganic molecule with the chemical formula O₃. It is a pale bluish gas with a distinctively pungent smell. Ozone is an allotrope of oxygen and is less stable than oxygen. Although ozone is a poisonous gas but at higher levels of the atmosphere (in stratosphere) it acts as a protective blanket. It absorbs the harmful ultraviolet rays from reaching the earth's surface. It was found that this layer is depleting day by day due to the changes in human lifestyle.

Chemicals released into the atmosphere from aerosol repellants, refrigerators, air conditioners, etc. are the main causes of depletion of ozone layer.

- (a) Name the chemical which is mainly responsible for the depletion of ozone layer.
- (b) Scientists say that there is a hole in ozone layer. Is there actually a hole in ozone layer? Why do they say so?
- (c) Name the component required for the conversion of O₂ into O₃.

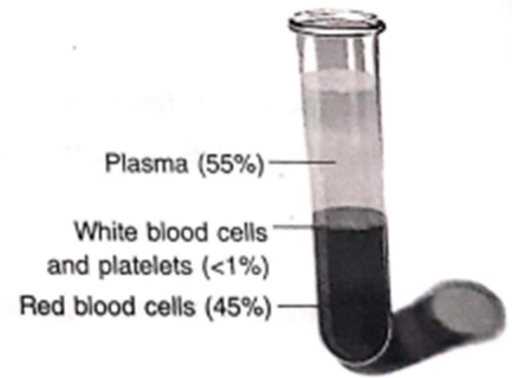
(d) Study the graph given alongside.

It indicates that the depletion of ozone layer is reducing after 1995. What may be the probable reason behind it?



Answer question numbers 3(a)–(c) on the basis of your understanding of the following paragraph and the related studied concepts.

Blood is a fluid connective tissue that circulates throughout our body and delivers essential substances like oxygen to the body cells. It also transports metabolic waste products away from the cells. Figure alongside depicts the percentage composition of different components of blood.



Blood cannot be made or manufactured outside the body. Blood donation is the only source of blood for patients that need blood transfusion.

- Why do you think donating blood isn't harmful even though red blood cells carry oxygen to the body cells?
- Which component is deficient in your blood if you lose too much of blood from a cut?
- Name the pigment present in red blood cells that carries oxygen from the lungs to all the body tissues.

5. Assignments/Worksheet

8th April 2020

Chapter Tissue Worksheet 1

Question 1.

What is the function of sieve tube cells and how are they designed to carry out their function?

Question 2.

Name the basic packing tissue in the form of a few layers of cells.

Question 3.

In a temporary mount of a leaf epidermis, we observe small pores.

- What are the pores present in leaf epidermis called?
- How are these pores beneficial to the plant?

Question 4.

What is epidermis? What is its role?

Question 5.

State the difference between the outer layer of the tissue of a branch of a tree and the outer layer of a young tree stem.

Question 6.

How is striated squamous epithelial tissue different from squamous epithelial tissue?

Question 7.

Give one word for the following:

a) Group of cells with similar structure and designed to give highest efficiency of function.

b) The process of taking up a permanent shape, size and function

c) Animal tissue connecting muscle to bones

d) Kidney shaped cells that enclose stomata.

Question 8.

Which parts of our body are composed of nervous tissue? Name the cells that make up the nervous tissue.

Question 9.

(a) Voluntary muscles are also known as skeletal muscles. Justify.

(b) Give two structural characteristics of these voluntary muscles.

Question 10.

Differentiate Chlorenchyma and Aerenchyma.

9th April 2020
Worksheet 2

Question 1.

Differentiate between striated, unstriated and cardiac muscles on the basis of their structure and site/ location in the body.

Question 2.

Draw a diagrammatic labelled sketch of stem tip to show the location of meristematic tissue. Mention the function of each meristematic tissue.

Question 3.

Differentiate between bone and cartilage.

Question 4.

- a. Differentiate between xylem and phloem tissues.
- b. Discuss the cell arrangement which supports the fact that epidermis is a protective tissue.

Question 5.

Explain how the bark of a tree is formed. How does it act as protective tissue?

Question 6

Write two similarities and four differences between striated and cardiac muscles.

Question 7.

Differentiate between bone and cartilage with respect to structure, function and location.

10th April 2020
Worksheet 3

Question 8.

Take a table to show the difference between striated, unstriated and cardiac muscles on the basis of their structure and location in the body.

Question 9.

- (i) Draw a labeled diagram of a neuron (Four labeling)
- (ii) Identify the tissue which is made up of these cells.
- (iii) Name one organ that is made of this tissue,

Question 10.

(i) Draw adipose connective tissue.

(ii) Mention one region in the body where this tissue is present and state one function of this tissue.

Question 12

Write the functions of ligaments and tendons.

Question 13.

Name a connective tissue which is the hardest. What makes it so hard? List any three important functions of this tissue.

Question 14.

Differentiate between tendons and ligaments with respect to their structure, nature and function.

11th and 13th April 2020

Chapter - Improvement in food resources

Worksheet 1

Question 1

What is the advantage of green manure?

Question 2.

What is vermicompost?

Question 3.

For increasing production, what is common in poultry, fisheries and bee – keeping?

Question 5.

Name two proteins containing Rabi crops.

Name two exotic or foreign and two local breeds of cows selected for long lactation period.

Question 6

List two characteristics each of roughage and concentrate in relation to animal feed. Give one example of each.

Question 7

What is pasturage and how is it related to honey production?

Question 8

In what way do broilers' feed is different from layers'?

(ii) Which one of these mature earlier?

(iii) What type of shelter is provided to them?

Question 9

Define hybridization. List its any two advantages.

Question 10

Why Italian bee variety is commonly used for commercial honey production?

14th April 2020

Worksheet 2

Question 1

How is it possible to control weeds in crop fields without using chemicals? Explain.

Question 2.

Mention the three major activities involved in improving the crop yields.

Question 3.

How do Sunhemp or guar help in crop production management? How is it better than fertilizers?

Question 4.

Distinguish between intercropping and mixed cropping.

Question 5.

Compare the use of manures and fertilizers in maintaining the fertility of soil.

Question 6.

List the nutrients supplied by air, water and soil to the plants.

Question 7

Mention three practices in which cattle farming is beneficial to mankind.

15th April 2020

Worksheet 3

Question 8.

State three major factors that are needed for good production of poultry birds.

Question 9.

(i) Name one exotic and one local breed of cow.

(ii) Mention one character each of exotic and local breeds of cow which are desired in the cross- breed.

Question 10.

What is a composite fish culture system? State one merit and one demerit of such a system.

Question 11.

Differentiate between milch and draught animals. What do the following supply to dairy animals: (i) Roughage (ii) Concentrates?

Question 12.

What are the types of food requirements of dairy animals?

Question 13.

(a) Why is it essential to remove weeds from agricultural fields?

(b) What are weedicides?

Question 14.

Define crop rotation? How is it used to increase the yield of crops? Why is this process called environment friendly?

Question 15.

Explain the desirable traits obtained after cross – breeding indigenous and exotic breeds of poultry birds.

(a) Milch animals

(b) draught animals

(c) Sustainable agriculture

(d) White revolution

(e) Fodder crops

1. Simplify : $\frac{16^{3/2}}{16^{1/2}}$

2. Evaluate : $(6^2 + 8^2)^{1/2}$

3. Multiply : $\sqrt{2} \times \sqrt[3]{3} \times \sqrt[4]{4}$

4. Simplify : $(7\sqrt{5} - 3\sqrt{2}) \times (2\sqrt{5} + 4\sqrt{2})$

5. Simplify : $60\sqrt{\frac{1}{6}} + 3\sqrt{54} - 12\sqrt{\frac{1}{24}}$

6. Simplify : $\sqrt{m^2n^2} \times \sqrt[6]{m^2n^2} \times \sqrt[3]{m^2n^2}$

7. Assuming that x, y, z are positive real numbers, simplify the following :

(i) $(x^{-2/3} y^{-1/2})^2$

(ii) $(\sqrt{x})^{-2/3} \sqrt{y^4} \div \sqrt{xy^{-1/2}}$

8. Prove that : $\sqrt{3 \times 5^{-3}} \div \sqrt[3]{3^{-1}} \sqrt{5} \times \sqrt[6]{3 \times 5^4} = \frac{3}{5}$

9. Write three irrational numbers between $\frac{3}{11}$ and $\frac{3}{7}$.

10. If $x = 2 + \sqrt{3}$, then find the value of $x^2 + \frac{1}{x^2}$.

11. Find whether the following statements are true or false :

(i) Every real number must be an integer.

(ii) π is an irrational number.

(iii) Irrational number cannot be represented by points on the number line.

12. Prove that :

$$\frac{2^{1/2} \times 3^{1/3} \times 4^{1/4}}{10^{-1/5} \times 5^{3/5}} \div \frac{3^{4/3} \times 5^{-7/5}}{4^{-3/5} \times 6} = 10$$

Assignment 2(06/04/20)- Class IX- Maths(2020-21)

1. Write the coefficient of x^2 in $17 - 2x + 17x^2$.
2. Write the degree of $7x^3 + 4x^2 - 3x + 12$.
3. If $f(x) = 2x^3 - 13x^2 + 17x + 12$, find $f(2)$.
4. If $x = 2$ is a root of the polynomial $f(x) = 2x^2 - 3x + 7k$, find the value of k .
5. Find the value of a such that $(x - 4)$ is a factor of $5x^3 - 7x^2 - ax - 28$.
6. If $(x + 1)$ and $(x - 1)$ are the factors of $px^3 + x^2 - 2x + q$, find the values of p and q .
7. If $x - \frac{1}{x} = -1$, find the value of $x^2 + \frac{1}{x^2}$.

8. Simplify :

$$175 \times 175 + 2 \times 175 \times 25 + 25 \times 25$$

9. Factorise the following expression, where one of its factors is given alongside:
 $x^3 + 13x^2 + 32x + 20 ; (x + 2)$

10. Simplify the expression :

$$(x + y + z)^2 + \left(x + \frac{y}{2} + \frac{z}{3}\right)^2 - \left(\frac{x}{2} + \frac{y}{3} + \frac{z}{4}\right)^2$$

11. Find the value of $27x^3 + 8y^3$, if $3x + 2y = 14$ and $xy = 8$

12. Find the following products :

(i) $(3x + 2y)(9x^2 - 6xy + 4y^2)$

(ii) $\left(\frac{x}{2} + 2y\right)\left(\frac{x^2}{4} - xy + 4y^2\right)$

(iii) $\left(\frac{3}{x} - \frac{5}{y}\right)\left(\frac{9}{x^2} + \frac{25}{y^2} + \frac{15}{xy}\right)$

13. Factorise :

(i) $64a^3 + 125b^3 + 240a^2b + 300ab^2$

(ii) $\frac{8}{27}x^3 + 1 + \frac{4}{3}x^2 + 2x$

14. Resolve into factors $2\sqrt{2}a^3 + 8b^3 - 27c^3 + 18\sqrt{2}abc$

15. Find the value of $a^3 + b^3 + c^3 - 3abc$, given that $a + b + c = 10$ and $a^2 + b^2 + c^2 = 83$.

[One Mark Questions]

- Q. 1. If $49a^2 - b = \left(7a + \frac{1}{2}\right)\left(7a - \frac{1}{2}\right)$, then find the value of b .
- Q. 2. Write the factors of $16x^2 - 9(y + 2x)^2$.
- Q. 3. Expand the following :
 (i) $(3x + 5y)^2$ (ii) $(\sqrt{2}x + 3y)^2$
- Q. 4. Find the value of $(x + y)^2 + (x - y)^2$.
- Q. 5. Evaluate the following using identities :
 (i) 102×98 (ii) $(0.99)^2$ (iii) $185 \times 185 - 125 \times 125$
- Q. 6. Find the value of $\left(x + \frac{1}{x}\right)^2 - \left(x - \frac{1}{x}\right)^2$.
- Q. 7. Expand $(4x + 2y + z)^2$ by using identity.
- Q. 8. Expand $(3x - 2y)^3$ by using identity.
- Q. 9. Evaluate : $(104)^3$
- Q. 10. Find the product $(2x + 3y)(4x^2 - 6xy + 9y^2)$.
- Q. 11. Find the value of $(20)^3 + 5^3 - (25)^3$.
- Q. 12. Factorise the following expression :
 $ab(a^2 + b^2 - c^2) + bc(a^2 + b^2 - c^2) - ca(a^2 + b^2 - c^2)$
- Q. 13. Factorise the following expression :
 $4x^2 + 20x + 25$ [NCERT EXEMPLAR]
- Q. 14. Factorise $x^2 + 7x + 12$ by splitting the middle term.
- Q. 15. Factorise : $8x^3 - (2x - 3y)^3$
- Q. 16. Factorise : $m^6 - 512n^6$
- Q. 17. Find the factorisation of $(x - y)^3 + 8(x + y)^3$.
- Q. 18. Find the value of $\frac{5 \times 5 \times 5 + 3 \times 3 \times 3}{5 \times 5 - 5 \times 3 + 3 \times 3}$.
- Q. 19. Resolve $a^3 - b^3 + 1 + 3ab$ into factors.
- Q. 20. If $a + 2b + 3c = 0$, then prove that $a^3 + 8b^3 + 27c^3 = 18abc$

[Two Marks Questions]

- Q. 21. Using suitable identity, evaluate the following :
 (i) 103^3 (ii) 101×102 [NCERT EXEMPLAR]
- Q. 22. If $x + \frac{1}{x} = 5$, find $x^2 + \frac{1}{x^2}$.

Assignment 4(13/04/20)- Class IX- Maths(2020-21)

Q. 1. Determine whether the following is true/false.

(i) $\frac{1}{\sqrt{5}}x^{1/2} + 1$ is a polynomial.

(ii) $\frac{7x^{5/2} + 2x^{3/2}}{\sqrt{x^3}}$ is a polynomial, $x \neq 0$.

[NCERT EXEMPLAR]

Q. 2. If $f(x) = 2x^3 - 13x^2 + 17x + 12$, determine :

(i) $f(2)$

(ii) $f(-4)$

Q. 3. Find the zeroes of the polynomial in each of the following :

(i) $p(x) = x - 4$

(ii) $g(x) = 3 - 6x$

(iii) $q(x) = 2x - 7$

(iv) $h(y) = 2y$

[NCERT EXEMPLAR]

Q. 4. Determine whether the following is true/false.

-3 and -9 are zeroes of the polynomial $x + 9$.

Q. 5. Degree of the polynomial $4x^4 + 0x^3 + 0x^5 + 5x + 7$ is

(a) 4

(b) 5

(c) 3

(d) 7

[NCERT EXEMPLAR]

Q. 6. If $p(x) = x^2 - 2\sqrt{2}x + 1$, then $p(2\sqrt{2})$ is equal to

(a) 0

(b) 1

(c) $4\sqrt{2}$

(d) $8\sqrt{2} + 1$

[NCERT EXEMPLAR]

Q. 7. If $p(x) = x + 3$, then $p(x) + p(-x)$ is equal to

(a) 3

(b) $2x$

(c) 0

(d) 6

[NCERT EXEMPLAR]

Q. 8. Zero of the polynomial $p(x) = 2x + 5$ is

(a) $-\frac{2}{5}$

(b) $-\frac{5}{2}$

(c) $\frac{2}{5}$

(d) $\frac{5}{2}$

[NCERT EXEMPLAR]

[Two Marks Questions]

Q. 9. If $p(x) = 3x^2 - 1$, find the value of $p\left(-\frac{1}{\sqrt{3}}\right) + p\left(\frac{-2}{\sqrt{3}}\right)$.

Q. 10. Determine whether the following is true/false.

$x = -2$ is the zero of the polynomial $p(x) = \frac{9}{4}x^2 - 9$.

Q. 11. If $x = \frac{4}{3}$ is a root of the polynomial $f(x) = 6x^3 - 11x^2 + kx - 20$, then find the value of k .

Q. 12. If $x = 2$ and $x = 0$ are the roots of the polynomial $f(x) = 2x^3 - 5x^2 + ax + b$, then find the values of a and b .

Q. 13. For the polynomial $\frac{x^3 + 2x + 1}{5} - \frac{7}{2}x^2 - x^6$, then write

[NCERT EXEMPLAR]

(i) the degree of the polynomial

(ii) the coefficient of x^3

(iii) the coefficient of x^6

(iv) the constant term

अनुस्वार , अनुनासिक , नुक्ता

- प्र०1. निम्नलिखित शब्दों को मानक रूप में लिखिए -
 सिन्धु , जगदम्बा , बिन्दी , कुआं , दांत , अण्डा ,
 अङ्गद , पञ्चायत , आंधी , दन्द् , हिन्दी , संमार्ग
- प्र०2. दिए गए शब्द-युग्मों में उचित स्थान पर अनुस्वार अथवा अनुनासिक का चिह्न लगाइए -
- | | |
|---------------|---------------|
| 1. चाद , चदा | 4. हसना , हस |
| 2. सुदर , बूद | 5. साप , सगीत |
| 3. परखा , पाच | 6. भैस , उगली |
- प्र०3. निम्नलिखित शब्दों में से शुद्ध अनुस्वार वाले शब्द ढाँटकर अलग कीजिए -
 दूँद , गदां , जगल , रहेगीं , सुँदर , सशंय , पंजाब ,
 संपादक , अंधंकार , तिरंगा , सिचाँई , सधंया , संरक्षण
- प्र०4. निम्नलिखित शब्दों में से शुद्ध अनुनासिक वाले शब्द ढाँटकर अलग कीजिए -
 महिलाँस , हुँसमुख , लँहगा , बासुँरी , कुँवर , आगँन ,
 दवाइयाँ , सँवारना , आकँड़ा , चाँदनी , चहुँमुखी
- प्र०5. निम्नलिखित शब्दों में उचित स्थान पर नुक्ते का प्रयोग करके शब्द पुनः लिखिए -
 मैज , मजदूर , फारेबी , फनकार , आजदी , अंग्रेज
- प्र०6. नुक्ता की दृष्टि से जो दोनो शब्दों में से गलत है, उस पर गोल लगाइए -
- | | |
|-------------------|-----------------------|
| 1. जहाज , जहाज़ | 4. जिम्मेदार , ज़लेबी |
| 2. क़ाबूज , क़ाला | 5. क़ायम , क़मर |
| 3. फ़सल , फ़ल | 6. ख़राबी , ख़ेल |

कक्षा - नवीं विषय - हिंदी
वर्ण - विच्छेद

- * शब्दों के वर्णों को उनकी ध्वनियों के आधार पर अलग-2 करके लिखने की प्रक्रिया को 'वर्ण-विच्छेद' कहते हैं।
- * वर्ण-विच्छेद करते समय स्वरों को मात्राओं में न लिखकर, उनके स्वतंत्र स्वर-वर्णों के रूप में लिखा जाता है।
- * जैसे: कविता = क्+अ+व्+इ+त्+आ
गणेश = ग्+अ+ण्+स+श्+अ
धर्म = ध्+अ+र्+म्+अ
क्रम = क्+र्+अ+म्+अ
कृषक = क्+र्+ष्+अ+क्+अ

* संयुक्त व्यंजन

- क्ष = क्+ष्+अ
- त्र = त्+र्+अ
- श = ज्+श्+अ
- श्र = श्+र्+अ

प्र० निम्न शब्दों का वर्ण-विच्छेद कीजिए -

- | | |
|----------------|--------------|
| 1. विद्मालय | 11. पंजाब |
| 2. विचार | 12. मैलिश |
| 3. हस्ताक्षर | 13. द्वारिका |
| 4. वैज्ञानिक | 14. अन्धारा |
| 5. राष्ट्रीयता | 15. चाँदनी |
| 6. संगीतज्ञ | 16. भावनाएँ |
| 7. प्रतीक्षा | 17. अश्रु |
| 8. भ्रष्टाचार | 18. झोंपड़ी |
| 9. कर्मठ | 19. धार्मिक |
| 10. श्रृंगार | 20. सौगंध |

अभ्यास प्रश्न-पत्र (2020-21)
कक्षा - नवी विषय - हिंदी

विज्ञापन लेखन

(शब्द सीमा 25 से 50 शब्द)

07-04-2020

प्र०४. 'पैन मास्टर' नामक कंपनी अपने पैनो की बिक्री बढ़ाना चाहती है। उसके लिए एक सुंदर व आकर्षक विज्ञापन तैयार कीजिए।

08-04-2020

प्र०२. आपने शहर में 'मिठास शिकंजी' नाम की एक जूस की दुकान खोली है, जिसके लिए एक विज्ञापन तैयार कीजिए।

09-04-2020

प्र०३. 'हिमालय च्यवनप्रास' की बिक्री बढ़ाने हेतु एक विज्ञापन तैयार कीजिए।

10-04-2020

प्र०४. 'अमूल दूध' की बिक्री बढ़ाने हेतु एक विज्ञापन तैयार कीजिए।

11-04-2020

प्र०५. 'शिल्पा' नामक वाशिंग पाउडर का एक आकर्षक विज्ञापन तैयार कीजिए।

कक्षा - नवीं

विषय - हिंदी

उपसर्ग - प्रत्यय

- प्र०१. निम्नलिखित शब्दों में से प्रत्यय अलग कीजिए -
धार्मिक, पहनावा, बुढ़ापा, पढ़ाई, सूखा, गिरफ्तारी, अंतिम
डाकखाना, जीवन, खाना, बचपन, दुखद, बर्फीली, पाँचवाँ
- प्र०२. निम्नलिखित शब्दों में से उपसर्ग अलग कीजिए -
अतिथि, अत्यंत, अधिकार, अपराध, कमजोर, दुर्भाग्य,
पुरस्कार, प्रतिवर्ष, तिस्कार, दोबारा, संसार, निर्माण, निश्चय
- प्र०३. निम्न शब्दों में से उपसर्ग, मूल शब्द व प्रत्यय
अलग-२ कीजिए -
परिवार, आचरण, बुराई, मिठास, निर्वह, लुहरीन,
लिपिक, सँपैरा, सालाना, उपलब्ध, सुसंगठित, गैरजिम्मेदारी,
असफलता, अनुदारता, अपमानित, मिलनसार, कविता
- प्र०४. निम्न प्रत्ययों से दो-२ शब्द बनाइए -
ई, ता, आ, आना, आहट, हरा, वाँ, पन, डा, खीर
कार, सरा, ईला, त्व, वान, क, इमा, अक्कड़, सेल
- प्र०५. निम्नलिखित उपसर्गों से दो-२ शब्द बनाइए -
सम्, वि, परि, निर्, दुर्, अव, अ, सु, अभि, प्र
निः, अति, ला, जम्भि, उत्, अधि, कु, बै, चौ, पुनर्
- प्र०६. उपसर्ग व प्रत्यय की परिभाषा उदाहरण सहित लिखिए।
- प्र०७. उपसर्ग व प्रत्यय वास्तव में क्या होते हैं?
- प्र०८. ऐसे चार शब्द लिखिए जिनमें दो प्रत्ययों का एक
साथ प्रयोग हुआ हो।

SANT NIRANKARI PUBLIC SCHOOL, SECTOR-16A, FARIDABAD

SESSION 2020-21

SUBJECT – ENGLISH

CLASS –IX

ASSIGNMENT –I

03.04.2020 to 6.04.2020

1. Write a story in about 200-250 words which begins as follows.
'Sitting alone on a beach I felt myself like a speck of sand against the vastness of the sea. Suddenly I saw a boat coming towards the shore.....'. Also give it a suitable title.
2. You are Swati/Saurabh of class IX. Write an article on 'Importance of Self Study' in 100-120 words using the clues given below.

Learning without supervision

Long classroom teaching leaves students

saturated Fast pace of classroom teaching

Students can explore different ways of self-

learning Builds up confidence

Yields better result

3. The following passage has not been edited. There is one error in each line. Write the incorrect word and the correction, against the correct blank.

	Error	Correction
When Charles could not got work,	eg. got	get
he wander about the city streets.	(a) _____	_____
He found food and warmth wherever he can.	(b) _____	_____
Sometimes he was sent away to a orphanage	(c) _____	_____
that is a boarding school for children.	(d) _____	_____

5. In the following passage, one word has been omitted in each line. Write the missing word along with the words that come before and after it in the space provided.

	Before	Missing	After
Most of us are familiar with fact	e.g. with	the	fact
that silk derived from the cocoons of	(a) _____	_____	_____
mulberry silkworms. However, insects	(b) _____	_____	_____
like spiders, beetles and fleas produce silk.	(c) _____	_____	_____
Silk is mass produced by silkworms are reared	(d) _____	_____	_____
to produce white silk.			

6. Rearrange the following words/phrases to make meaningful sentences.
- (a) to/very/deforestation/can/to be/ prove/damaging/mother earth
- (b) should/individual/his/each/a/on/plant/tree/birthday
- (c) must/we/live/that/we/understand/trees/cannot/without
- (d) if/we/to/encourage/we/must/afforestation/the/want/keep/earth/green

Read the passage given below carefully :

It happens to us all, however hard we may try to delay the process. We grow old. Cosmetic surgery may remove wrinkles, skin which has suggested may be tightened by means of a facelift and a hair dresser may dye grey hair a more youthful colour, but we cannot remain young forever. Advances in medicine have made it possible for more people to stay alive longer.

Age brings intelligence, experience, wisdom and beauty. So why are we so scared of it? The trouble is that many of us find it impossible to relate to these worrying facts, unable to face the reality that every day we inch ever closer to our own dotage. Our older generations experienced the majority of the most tumultuous century in human history and yet at best we infantilize, at worst outright ignore them.

However, what is important is the quality of life. Some people are lucky to be taken care of at home whereas others may have to move to residential homes. The worst part of ageing is that often the mind becomes less alert. As people grow older they experience short-term memory loss. Later, some may suffer from dementia, often in the form of Alzheimer's disease.

By no means are all people in this category. Many senior citizens are in the possession of all their faculties and see retirement as a time of freedom. Not only that if they have a generous retirement pension, they are likely to be quite well-off with money to be spent on a holiday and other luxuries. Because of this, both businesses and government have a new respect for what is known as grey power. By no means, however, does everyone treat the elderly with great respect.

There are some cultures which are noted for the great respect with which they treat old people, but many people regard the old as having a very low status in society and treat them accordingly.

1.1 Based upon your reading of the above passage, answer the following questions:

6. What does the writer imply by saying 'some people are lucky'?
7. Why do we have such an aversion to ageing?
8. What is meant by 'Grey Power'?
9. Why is retirement considered a time of freedom?

1.2. Answer the following questions:

7. Which word in para 4 means 'liberal'?
8. Which word in para 4 means the same as 'wealthy'?
9. Which word in para 2 means 'neglect'?
10. Find the word opposite to 'peaceful'. (para 2)

2. Complete the following short story with a suitable title in about 150-200 words.
 Mary was a young girl. She had a major problem that she got annoyed with everything. She felt bad about everything and always carried a negative thinking. One day she felt so miserable and....

3. Complete the following passage by choosing the correct word from the given options.
 Swami Vivekananda once speaking in America told (a) _____ a young man who came to a religious conference and said that he wanted to find God. The sage smiled and said (b)_____. The young man, turned time after time, ever repeating (c) _____ desire, his longing to find God. After (d) _____ days, the sage told him to accompany him as he went to the river (e) _____ take his morning bath and when (f) _____ were in the river, the sage took hold of the young man, plunged him under the surface of water and held him there.

- | | | | |
|-----------------|---------------|-------------|-----------|
| (a) (i) off | (ii) on | (iii) about | (iv) in |
| (b) (i) nothing | (ii) anything | (iii) more | (iv) much |
| (c) (i) his | (ii) her | (iii) their | (iv) our |
| (d) (i) many | (ii) each | (iii) some | (iv) all |
| (e) (i) off | (ii) in | (iii) on | (iv) to |
| (f) (i) how | (ii) both | (iii) on | (iv) to |

4. The following passage has not been edited. There is one error in each line. Write the incorrect word and the correction in the given blanks.

	<i>Incorrect</i>	<i>Correct</i>
The minister has earlier set up	(a) _____	_____
a committee to study and recommended	(b) _____	_____
technologies that can cut off river pollution	(c) _____	_____
from industries and its report need to be	(d) _____	_____
studied in detail.		

1. Read the passage given below carefully :

Science and technology not only dominate the psyche of humanity but also the whole biosphere. How does science influence civilization and how is it related to human happiness?

The Original, cosmic evolution of the biosphere was one that promoted, supported, nourished, sustained and enhanced life. Life went on adding to the evolution with newer species and ecosystems, even more beautiful and vibrant than the ones before. Our biosphere accommodated a pleasant weather cycle and climate system to support these newer species, keeping everything in dynamic equilibrium.

Now the biosphere is overburdened and ailing. Some of our ecosystems have already collapsed, while others are at death's door. Ever increasing pollution coupled with over exploitation of natural resources and greenhouse gas emission is driving several species towards extinction. This is not a phenomenon that has occurred by itself, and neither has it been caused by, human beings alone. But it definitely has been spurred by so-called advances in technology.

In this millennium, we no longer live in a, biosphere – we are inhabitants of a Technosphere. A Technosphere is an impaired biosphere that has no affinity with values of life nor with sustainability and evaluation of life. Although technology had empowered civilization, it has also reduced it to being a mere toll of science and technology. And when the whole civilization turns technocratic, science and technology are bound to dominate, causing life to shrink. The intensifying climate crisis is but a symptom of the biosphere's illness and life's gradual collapse.

We've reached a point where we are intolerant of anything remotely "unscientific" in our contemporary world. Scientists look for alternatives, but even these solutions are sought in the same domain that has caused these problem. In short, we are stewing in a soup of our own making.

So, what would be meaningful for the welfare of humans?

Naturally something that would enhance life, serve to integrate ecosystems and cleanse our environment.

Enhancement of life includes betterment of human life and vice versa. If life shrinks, we can't blossom.

Science and technology by themselves are neutral; it is the way we use them that has either a positive or negative impact on our lives and environment. And when we use science in a manner that increases un-sustainability and unhappiness in our lives, how can we rely blindly on science for our happiness.

2. Read the following questions and write the answers in about 30-40 words :

How did the biosphere evolve over a period of time?

How has this equilibrium got disturbed now?

- (a) What is the difference between biosphere and technosphere?
 (b) Man needs to use 'science and technology' in a sensible manner.
 Explain.

3. Choose the correct option that is the closest in meaning to the words given below :

- i. psyche
 (a) mind (b) thinking (c) inner self (d) mental
- ii. enhance
 (a) improve (b) increase (c) remove (d) lower
- (iii) collapsed
 (a) broken (b) disappeared (c) removed (d) taken away
- (iv) affinity
 (a) dislike (b) love (c) bonding (d) natural liking

4. The climate throughout the world is changing. It has already disturbed weather patterns by increasing rainfall in some areas and decreasing it in others. The temperature is increasing day by day. It results as frequent hurricanes, tornadoes, floods, tsunamis, etc. Write an article in about 100-120 words for your school magazine on the topic 'Global Warming: A Threat to Life'.

(Hints : global warming; rise in average temperature, melting of glaciers, due to pollution and human activities)

5. Choose the most appropriate option from the ones given below to complete the following passage. Write the correct answer in your answer sheet against the correct blank numbers. Do not copy the whole paragraph.

Dear Anil

I was very (a) _____ to receive your invitation to spend the winter break

(b) _____ you. But I (c) _____ do that. My Uncle has not (d) _____ keeping well for the past week. I think I (e) _____ visit him this vacation. I hope you (f) _____ mind this.

- (a) (i) satisfied (ii) calm (iii) shocked (iv) pleased
 (b) (i) without (ii) with (iii) through (iv) along with
 (c) (i) will (ii) will not (iii) cannot (iv) may
 (d) (i) been (ii) be (iii) being (iv) done
 (e) (i) must (ii) ought to (iii) can (iv) should
 (f) (i) will (ii) would not (iii) would (iv) can