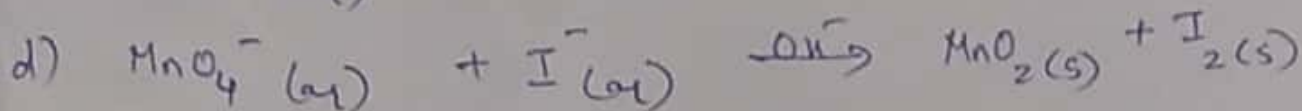
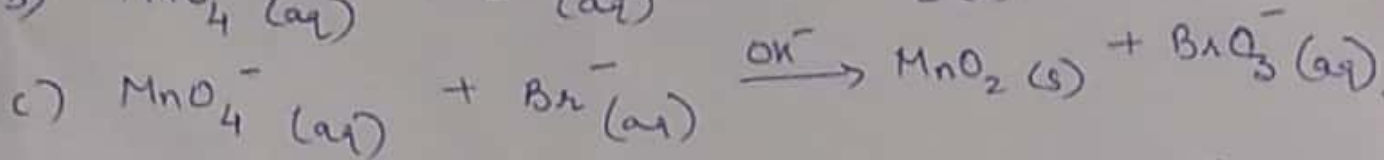
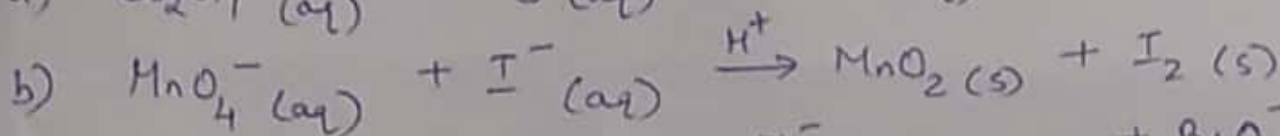
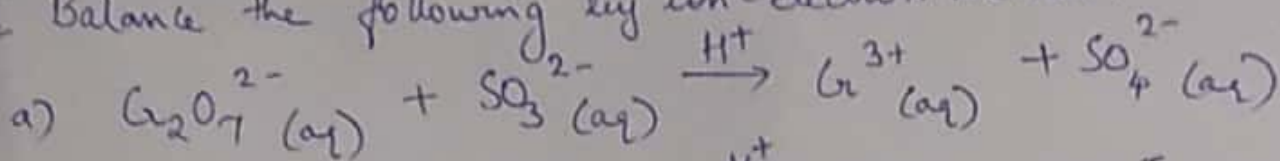


I Balance the following by ion-electron method.

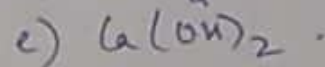
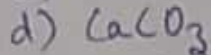
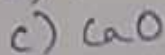
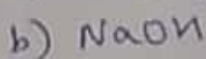
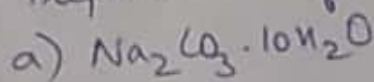


II a) Ion-exchange method and Synthetic resins method.

b) Calgon's method.

III Write chemical reactions to justify that  $\text{H}_2\text{O}_2$  can function as an oxidising and reducing agent.

IV. Preparation of



f) Silicones.

g) Producer gas

h) Water gas.

V Structure and properties of

a) Diamond & graphite

b) Borax

c) Orthoboric acid

d) diBorane

PKW

1. Write a program to print the following pattern:

```

@
@ @
@ @ @
@ @ @ @

```

2. Write a program to read a string and display it after capitalizing every character in it.

Eg:- If the string is 'passion' it should print 'PASSION'.

3. Find the output:

(a) X = "hello world"

```
print (X[:2], X[: -2], X[-2: ])
```

```
print (X[6], X[2: 4])
```

```
print (X[2: -3], X[-4: -2])
```

(b) Data = ['P', 20, 'R', 10, 'S', 30]

```
Times = 0
```

```
Alpha = ""
```

```
Add = 0
```

```
for c in range(1, 6, 2):
```

```
    Times = Times + c
```

```
    Alpha = Alpha + Data [c-1] + 'g'
```

```
    Add = Add + Data [c]
```

```
print (Times, Add, Alpha)
```

4. Rewrite the following code after removing errors. Underline each correction

```
Val = input ("Value: ")
```

```
Adder = 0
```

```
for c in range (1, Val, 3)
```

```
    Adder + = c
```

```
    if c%2=0:
```

```
        Print (c*10)
```

```
    Else:
```

```
        Print (c*5)
```

```
Print (Adder)
```

5. Suppose :

```
L = ['Python', ['Programming', 'is'], ['quite', 'easy'], 'that',  
     'we', 'will', 'like']
```

Evaluate (i) `print (L[0], L[1][1], L[2])`

(ii) `print (L[3:4] + L[1:2])`

6. Find the output :

```
V = []
```

```
for i in range (1,3):
```

```
    V.append (i)
```

```
print (V)
```

7. `Dt = {}`

```
Dt [1] = 1
```

```
Dt ["1"] = 2
```

```
Dt [1.0] = 4
```

```
Sum = 0
```

```
for k in Dt:
```

```
    Sum += Dt[k]
```

```
print (Sum)
```

8. Write a Python function `secondLargest(T)` which takes as Tuple as input and returns the second largest element in the tuple.

HOLIDAY HOMEWORK

CLASS XIE

ENGLISH

1. Write an advertisement for the following:
  - Plot - For sale
  - House - On rent
  - Four wheeler - For sale
  - Kennel - Lost Dog.
  - Apartment - For sale.
2. Write a letter to the Editor about the garbage which is not being collected in your area and the hazards caused by it.
3. Write an article on "Cleanliness is Godliness".
4. Study the lessons included for PT- II.

**SAMPLE QUESTION PAPER (2019-20)**  
**ENGLISH – Language and Literature (Code 184)**  
**CLASS-X**

Time allowed: 3 Hrs.

Maximum Marks : 80

**General Instructions:**

1. This paper is divided into three sections: A, B and C. All questions are compulsory.
2. Separate instructions are given with each section and question, wherever necessary. Read these instructions very carefully and follow them.
3. Do not exceed the prescribed word limit while answering the questions.

	<b>Section A: Reading</b>	<b>20 Marks</b>
Q1	<p>Read the passage carefully.</p> <p style="text-align: center;"><b>Red Cross: How Hope Evolved</b></p> <p>On June 24, 1859, Emperors Napoleon III and Franz Joseph I engaged in the Battle of Solferino, commanding a combined total of about 270,000 troops onto the field for a single day of battle. Nearly 40,000 were either dead, injured, or missing, many of whom were simply left to die on the battlefield. Later, spectators crowded the fields, looking for loved ones, searching for items they could sell, or simply taking in the horrors of the battle .A Swiss businessman and social activist Jean Henri Dunant, who was traveling in Solferino witnessed all this.</p> <p>Jean Henri Dunantwitnessed the atrocities of war as well as the countries not prepared or equipped to ease the suffering of those who had been injured in the Battle of Solferino. Dunant organized a group of volunteers to help bring water and food to the injured, to assist with medical treatment, or write letters to the families of those who were dying and he urged the public to create an organization which would assist the wounded, regardless of which side they fought for during times of war. After that moment, he wrote the book, <i>A Memory of Solferino</i>, which urged the public to create an organization which would assist the wounded, regardless of which side they fought for during times of war. His writing inspired countless others to rally behind him in the creation of the International Federation of the Red Cross.</p> <p>The modern-day Red Cross began by devoting itself largely to disaster relief and epidemic treatment. This effort continues to this day. One of the easiest ways you can help the Red Cross is to make sure you are able to donate blood and make an appointment at the Red Cross website. But, donating blood isn't the only way you can help out—the Red Cross also encourages donating your time if you can. This is what the Red Cross wants everyone to know.</p> <p><u><a href="https://www.rd.com/true-stories/red-cross-origin/">(https://www.rd.com/true-stories/red-cross-origin/)</a></u></p>	

On the basis of your reading of the passage given above, answer the following questions-

1x8=8

a. How many soldiers fought in the battle of Solferino on June 24?

- i. 270,000    ii. 40,000    iii. 230,000    iv. 23,000

b. What is the correct order of the information given below:

- I. Dunant organised a camp of volunteers.
- II. Emperor Napoleon III and Franz Joseph I fought a battle.
- III. The book 'A Memory of Solferino' was written.
- IV. Dunant travelled in Solferino.

- (i) IV, III, II, I    (ii) I, II, III, IV    (iii) II, I, IV, III    (iv) II, IV, I, III

c. The writer of 'A Memory of Solferino' was:

- i. Emperor Napoleon III
- ii. Franz Joseph I
- iii. Jean Henri Dunant
- iv. International Red Cross

d. The modern day Red Cross does not deal with:

- i. Blood donation
- ii. Disaster Relief
- iii. Epidemic Treatment
- iv. Writing a book

e. The most appropriate sub-heading to para 2 of the passage is:

- i. How International Federation of Red Cross Evolved!
- ii. Functions of Red Cross
- iii. The Contributions of Jean Henri Dunant
- iv. The Battle of Solferino

f. The aid provided by Dunant's volunteers during the battle of Solferino was:

- I. to help bring water and food to the injured
- II. to assist with medical treatment
- III. to write a book
- IV. to give relief in epidemic

- (i) I and III    (ii) III and IV    (iii) I and II    (iv) II and III

g. You can donate your blood and your \_\_\_\_\_ to Red Cross.

h. Jean Henri Dunant participated in the war. ( True/ False)

Q2

Read the passage carefully-

### The Road to Success

1. The Road to success is not straight; there is a curve called failure, a loop called confusion, speed bumps called friends, caution lights called family, and you will have flats called jobs. But, if you have a spare called determination, an engine called perseverance, insurance called faith, and a driver called God, you will make it to a place called success!

2. In spite of all our planning and preparation, unexpected challenges are certain to arise. The bumps in the road are unavoidable, but you'll never get to your destination if you aren't willing to drive over them. The difference between a disaster and triumph lies in whether or not you're prepared and willing to weather the storm. If you're ready, those bumps will become stepping-stones.

3. The key thing to realize is that working harder is same as working smarter. How do you work smarter? You just need to have the right skills. People want improved circumstances and better life without an improved self. They want victory without paying the price or making efforts. It really cannot happen without the other. Any improvements that have not been generated by improving yourself are superficial and short-lived. If you want to have a better future, you have to change yourself. Stop worrying about the various challenges that will come your way. Just believe in yourself and use them as stepping-stones.

4. "Success" is getting whatever you want out of life without violating the rights of others." It is not an accident. Success is the result of our attitude and our attitude is a choice. Hence success is a matter of choice and not chance.

5. Today success represents a holistic and positive attitude to life. Attitude is everything. Success is not restricted within some kind of brick and mortar premises. It assumes the individuality of a complete act executed with perfection; material achievements do not define life. We don't remember sports stars for the products they endorse but the spirit of achievement they represent. In the abundance of positive attitude underline the grandeur of a truly rewarding rich life.

6. Success can be measured from two standpoints—the external and the internal. Externally it is the measure of a job well done and recognition. Internally it the feeling of achievement and wholeness derived from the completion of a task or fulfillment of desire.

2.1 On the basis of your reading of the above extract, answer the following questions in 30-40 words each:

2x4=8

- (a) What qualities lead one to the place called success?
- (b) What is the difference between disaster and triumph?
- (c) How can one have a better future?
- (d) Describe two ways to measure success.

2.2 On the basis of your reading of the above extract, answer the following:

1x4=4

- (a) The synonym of 'victory' as given in paragraph 2 is \_\_\_\_\_  
(i) Planning (ii) Preparation (iii) Triumph (iv) Challenges
- (b) The synonym of 'surplus' as given in paragraph 5 is \_\_\_\_\_
- (c) The antonym of 'Defeat' as given in paragraph 6 is \_\_\_\_\_  
(i) Recognition (ii) Achievement (iii) Completion (iv) Success

(d) The antonym of 'deep' as given in Paragraph 3 is \_\_\_\_\_

**Section B: Writing & Grammar**

**30 Marks**

Q3)

You are Neha/Nihal Singh, Computer In-charge of Army Public School. Your school wishes to buy 20 computers and computer accessories from Apple Inc., Nehru Place, New Delhi. Draft a letter placing an order for the same. (100-150 words)

OR

The government has urged the people of India to realize the dream of 'Clean India'. Write an article describing the measures that people can take for a cleaner and greener India. You are Anju/Amit Kumar (100-150 words)

(8)

Q4)

Complete the following story- (150-200 words)

Once there was an old man. He had four sons. They always quarreled with one another. One fine day.....

OR



Taking cue from the picture given above, write a story in 150-200 words

**For Visually Impaired candidates only-**

**Kunal- good student- determined- scored good marks- examination- got late- helping an old man- teacher scolded- later appreciated- gave exam- stood first**

(10)

Q5)

Complete the paragraph given below by filling in the blanks choosing the correct option from those that follow-

1x4=4

Elephants (a) \_\_\_\_\_ the largest land mammals. Three species of elephants (b) \_\_\_\_\_ living today. Elephants (c) \_\_\_\_\_ other Elephantidae were once classified with other thick skinned . The elephant's gestation period is 22 months, (d) \_\_\_\_\_ longest for any land animal.

(a) (i) is                      (ii) are                      (iii) was                      (iv) were

(b) (i) are living    (ii) have been living    (iii) had been living    (iv) will be living



	<p>(c) (i) with            (ii) also            (iii) and            (iv) but  (d) (i) a            (ii) an            (iii) which            (iv) the</p>																
Q6)	<p>The following paragraph has not been edited. There is one error in each line. Write the incorrect word and the correction in your answer sheet against the correct blank number.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Error</th> <th style="width: 10%; text-align: center;">Correction</th> </tr> </thead> <tbody> <tr> <td>Tsunami is a series in waves</td> <td>(a) _____</td> <td>_____</td> </tr> <tr> <td>generated in a body from water</td> <td>(b) _____</td> <td>_____</td> </tr> <tr> <td>through an impulsive disturbance</td> <td>(c) _____</td> <td>_____</td> </tr> <tr> <td>causing damage to property or loss of life.</td> <td>(d) _____</td> <td>_____</td> </tr> </tbody> </table>		Error	Correction	Tsunami is a series in waves	(a) _____	_____	generated in a body from water	(b) _____	_____	through an impulsive disturbance	(c) _____	_____	causing damage to property or loss of life.	(d) _____	_____	1x4=4
	Error	Correction															
Tsunami is a series in waves	(a) _____	_____															
generated in a body from water	(b) _____	_____															
through an impulsive disturbance	(c) _____	_____															
causing damage to property or loss of life.	(d) _____	_____															
Q7)	<p>Rearrange the following sets of words and phrases to form meaningful sentences-</p> <ol style="list-style-type: none"> <li>a. off/ the world's /sugar cane / in Asia / over 40 percent / is produced</li> <li>b. can be /used as fuel / ethyl alcohol / for cars / extracted / sugar cane / from</li> <li>c. not the /only thing / can power/ automobiles / gasoline is / that</li> <li>d. can be / alternative /energy source / an / hydrogen/ also</li> </ol>	1x4=4															
<b>Section C - Literature</b>		<b>30 Marks</b>															
Q8	<p>Read the extract given below and answer the questions that follow.</p> <p>"He should be lurking in shadow,  Sliding through long grass  Near the water hole  Where plump deer pass."</p> <ol style="list-style-type: none"> <li>a. The poem, "A Tiger in the Zoo" is written by  (i) Leslie Norris    (ii) William Blake  (iii) Peter Niblett(iv) Robert Frost</li> <li>b. The tiger should be lurking in the shadow  (i) for his prey    (ii) for taking rest  (iii) for leisure    (iv) for scaring others</li> <li>c. The deer frequents the water hole to _____</li> <li>d. The phrase 'lurking in the shadow' here means _____</li> </ol> <p style="text-align: center;">OR</p> <p>"I agreed that it was pretty disrespectful treatment. We did, however, search the house. Since it was only one storey high, Bill went round it, peering in at all the windows. We examined the barn and stable."</p> <ol style="list-style-type: none"> <li>a. Who does 'I' refer to-  (i) Sinclair Lewis    (ii) Carol Lewis  (iii) Oliver Lutkins(iv) Leslie Norris</li> <li>b. What was Bill's profession?  (i) Lawyer    (ii) hack driver</li> </ol>	1x4=4															

	(iii) guide (iv) drama artist c. The disrespectful treatment faced by the speaker was _____ d. The phrase 'peering in at all windows' here means _____	
Q 9	<p>Answer any five of the following questions in 30 to 40 words each.</p> <p>a. Why did Hari Singh think that Anil's job was queer? b. Bholi was a neglected child. Explain. c. Why did Mr. Keesing call Anne 'an incorrigible chatterbox'? d. Nelson Mandela speaks of 'Twin Obligations'. Elucidate e. Why did Belinda tickle the dragon? f. How is bread an important part of life in Goa?</p>	2x5=10
Q10	<p>Lencho had faith in God but lacked faith in humanity. Elaborate with reference to 'A Letter to God'.(100-150 words)</p> <p style="text-align: center;">OR</p> <p>Life is full of trials and tribulations which can be overcome by a human being through his own efforts. Explain with reference to Kisa Gotami's life.(100-150 words)</p>	8
Q11	<p>Ostentation and vanity often land people in trouble. Matilda is an apt example of this. Justify.(100-150 words)</p> <p style="text-align: center;">OR</p> <p>Valli shows extraordinary courage in taking a bus journey all alone. Explain how ability and courage are essential to fulfill one's dream. (100-150 words)</p>	8

X - Holiday Home Work  
Social Science

1. Money and Credit - Project → Collect
  - (1) Cheque
2. Learning for Periodic Test.  
Portions -
  1. Sectors of the Indian economy.
  2. Print culture & the Modern world
  3. Democracy & Diversity
  4. Challenges to Democracy
  5. Consumer Rights
  6. Water Resources [Map]
  7. Forest & Wild Life Resources
  - (2) Pay in slip & withdrawal slip
  - (3) Credit card Debit card Difference
  - (4) Pass Book to Show (Demand Deposit)

[fill up the Cheque & Pay-in slip withdrawal slip]

N. Saravathi

1. Print culture & Modern world
2. Sectors of Indian Economy

For the above 2 chapters frame 20 1-mark questions after reading the chapter.

1. 5 - Fill up the blanks
2. 5 - True or False
3. 5 - Choose the correct answer
4. 5 - Write very short answer questions.

1. Learning for Periodic Test

- Chapters
1. Natural Vegetation & Wild Life
  2. Forest Society & Colonisation
  3. Electoral Politics
  4. Working of Institutions
  5. Food Security

Map work 1. Natural forests  
(Locating). 2. National Park & Wild  
Life Sanctuaries

Framing Questions for the above 5  
Chapters given for Periodic Test after reading  
it.

1. 5 fill in the blanks
  2. 5 Choose the correct answer
  3. 5 True / False
  4. 5 V. Short answer Questions
- } 20 from each Chapter.

M. Saravathi

Class XI.

1. Completion of record work (if pending).
2. Preparation of questions/answers for PT-2 as per blue-print given.
3. Solving of H-W questions from chapters - mineral nutrition, Photosynthesis & Respiration in plants. (45 questions)

- 1.) Area of an equilateral triangle is  $64\sqrt{3} \text{ cm}^2$ . Find its side.
- 2.) Find SA of a cube whose edge is 7cm.
- 3.) A cylinder is 3m high and its circumference of its base is 22m. Find its CSA.
- 4.) TSA of a solid sphere is  $98.56 \text{ cm}^2$ . Find its radius.
- 5.) Calculate the volume of a sphere with radius  $3r$ .
- 6.) The side of a triangular plot are in the ratio of  $2:3:4$  and its perimeter is 900m. Find its area.
- 7.) Prove that parallelograms on same base and between same parallels are equal in area.
- 8.) Find the amount of the air inside the conical tent with base radius 7m and height 12m.
- 9.) Construct a  $\Delta^{le} ABC$  in which  $\angle B = 60^\circ$ ,  $\angle C = 45^\circ$   
 $AB + BC + CA = 11 \text{ cm}$ .
- 10.) The height and slant height of a cone are 21cm and 28cm respectively. Find the volume of cone.
- 11.) Find the area of right  $\Delta^{le} ABC$  with side  $AB = 5 \text{ cm}$ ,  $AC = 12 \text{ cm}$  &  $BC = 13 \text{ cm}$  by using herons formula. Also verify your result by using  $\frac{1}{2} bh$ .

- 12.) Prove that equal chords subtend equal angles at the centre.
- 13.) Prove that equal chords are at equal distances.
- 14.) Prove that angle subtended by a chord at the centre is double the angle subtended by it any part of the remaining circle.
- 15.) Prove that the perpendicular from the centre of a circle to the chord bisects the chord.

# Holiday Homework

Class - IX

- \* Write 5 Articles On any different topic
- \* Write the answers of the following question
  1. Determination and correct choice of Path always lead to success. Do you agree? Elaborate with reference to the success story of Santosh Yadav.
  2. It is the attitude towards goal and not the money that matters. Do you agree? How did Sharapova prove it.
  3. Animals also feel the pleasure of love and pains of separation. What would you have done if you were in place of the author's family?
  4. The story 'The Last Leaf' is a story of supreme sacrifice by an old artist. Do you agree? What makes a masterpiece - money value or the supreme sacrifice.
- \* Learn all the questions and answers from your notebook.
- \* Read all the chapters of after half yearly syllabus.
- \* Practice Pisa Questions.



# Holiday Homework

√111 B

1. Factorise

i]  $5xy + 3x$

ii]  $3x^2 + 6x$

iii]  $2x + 4$

iv]  $5xy + 10x$

2. Factorise  $12a^2b + 15ab^2$

3. Factorise  $10x^2 - 18x^3 + 14x^4$

4. Factorise  $2xy + 2y + 3x + 3$

5. Factorise  $6xy - 4y + 6 - 4x$

6. Factorise  $x^2 + 8x + 16$

7. Factorise  $4^a y^2 - 36$

8. Factorise  $m^4 - 26^6$

9. Factorise  $y^2 - 7y + 12$

10. Factorise  $3y^2 + 4y$

11. Factorise  $x^2 - 12y + 9$

12. Factorise  $a^2 - 2ab + b^2 - c^2$

13. Factorise  $x^2 + 5x + 6$

14. Factorise  $x^2 - 4x - 12$

15. Factorise  $54x^2 + 42x^3 - 36x^4$

16. Factorise  $2x^2yz + 2xy^2z + 4xyz^2$

17. Factorise  $30xy - 12x + 16y - 4$

18. Regroup the terms and Factorise  $2 - 19 + 19xy - xy$

19. Factorise  $100x^2 - 80xy + 16y^2$

20. Factorise  $16x^4 - y^4$

21. Factorise  $x^2 + 6x + 8$

22. Factorise  $4qy^2 - 1$

23. Divide  $10(a^3y^2z^2 + x^2y^3z^2 + x^2y^2z^2)$  by  $5x^2y^2z^2$

24. Simplify  $12(y^2 + 7y + 10) \div 6(y + 5)$

25. Simplify  $-4p^3 \div 9p^2$

## HOLIDAY HOMEWORK

CLASS VIII A & B  
ENGLISH

1. You are the School Pupil Leader. Write a notice informing students about the Cleanliness Drive to be held in your Vidyalaya.
2. Write a paragraph on your favourite game.
3. Write a paragraph on a movie that you have seen recently.
4. Study the following questions and answers and write them in the Holiday Homework notebook.
  - a) Why was Mill-wheel afraid to leave Jody alone?
  - b) What did Doc Wilson mean when he said, "Nothing in the world comes quite free"?
  - c) Why does Jody want to bring the fawn home?
  - d) How does the duck describe the movement of the kangaroo?
  - e) How does the duck describe his own life?
  - f) What was the duck's request?
  - g) Which place does the duck want to visit?
  - h) How is the forest pool different from the one in the Rajasthan desert?
  - i) What is it that Range finds difficult to explain at home?
  - j) Who was the better swimmer? How do you know?

- k) "I could feel his anguish": What could be his anguish?
- l) What is the scientist's message for the disabled?
- m) Why does the writer refer to the guitar incident? Which idea does it support?
- n) What happened at Lyonness?
- o) When does the monsoon season begin and end?
- p) Where do the snakes and rodents take shelter? Why?
- q) Why did the grandmother ask the children not to kill the chuchundars?
- r) What is the significance of the cobra-lily in relation to the monsoon season?

Winter Break - 2019.

Class VIII Holiday Home Work.

1. Learn <sup>A B</sup> and write Q & Ans of chapters 9, 10 and 11 - once.
2. Complete cross word puzzle - of chapter Peaching the age of Adolescence.
3. Solving PISA questions - Chapter - 12, 13 & 19 in PISA copy.
4. Explain in short - (4-5 sentences) about the following:
  - a) Biofuel
  - b) fossil fuel
  - c) CO<sub>2</sub> emissions
  - d) Green house effect
  - e) Acid Rain
  - f) Energy efficient house.

Q1. Draw a map of your classroom using proper scale and symbols for different objects.

Q2. (i) How are prisms and cylinders alike?

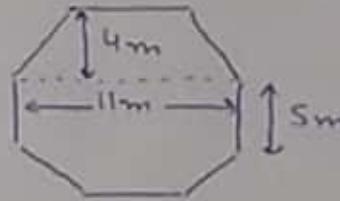
(ii) How are pyramids and cones alike?

Q3. using Euler's formula, find the unknown (solve fully).

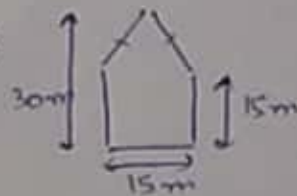
(i)	Faces	—	5	20
(ii)	vertices	6	—	12
(iii)	Edges	12	9	—

Q4. A square and a rectangular field with measurements as given in the figure have same perimeter. Which field has a larger area?

Q5. Top surface of a raised platform is in the shape of a regular octagon as shown in the figure. Find the area of octagonal surface.



Q6. There is a pentagonal shaped park as shown in figure. For finding its area Jyoti and Kavita divided it into two different ways.



Jyoti's diagram



Kavita's diagram

Q7. Rakshar painted the outside of the cabinet of measure  $1\text{m} \times 2\text{m} \times 1.5\text{m}$ . How much surface area did she cover if she painted all except the bottom of the cabinet?

Q8. A closed cylindrical tank of radius  $7\text{m}$  and height  $3\text{m}$  is made from a sheet of metal. How much sheet of metal is required?

Q9. Find the height of cuboid whose base area is  $180\text{cm}^2$  and volume is  $900\text{cm}^3$ ?

Q10. Simplify and express the result in power notation with positive exponent -

(i)  $(3^{-7} \div 3^{-10}) \times 3^{-5}$

(ii)  $2^{-3} \times (-7)^{-3}$

Q11. Find the value of (i)  $(\frac{1}{2})^{-2} + (\frac{1}{3})^{-2} + (\frac{1}{4})^{-2}$ .

(ii)  $(3^{-1} + 4^{-1} + 5^{-1})^0$

Q12. Find the value of  $m$  for which  $5^m \div 5^{-3} = 5^5$

Q13. Evaluate -  $(\frac{5}{8})^{-7} \times (\frac{8}{5})^{-4}$

Q14. Express the number appearing in the following statements -

(i) 1 micron is equal to  $\frac{1}{10000000}$  m

(ii) charge of an electron is 0.000,000,000,000,000,000,16 Coulomb.

(iii) Size of bacteria is 0.0000005 m

(iv) size of plant cell is 0.0001275 m

(v) thickness of a thick paper is 0.07 mm.

Q15. The scale of a map is given as 1:3000000. Two cities are 4cm apart on the map. Find the actual distance between them

Q16. A photograph of a bacteria enlarged 50,000 times attains a length of 5cm as shown in the diagram. What is the actual length of the bacteria? If the photograph is enlarged 20,000 times only, what would be its enlarged length?

Q17. A 5m 60cm high vertical pole casts a shadow 2m 20cm long. Find at the same time -

(i) the length of the shadow cast by another pole 10m 50cm high

(ii) the height of a pole which casts a shadow 5m long.

Q18. A car takes 2 hours to reach a destination by travelling at the speed of 60 km/hr. How long will it take when the car travels at the speed of 80 km/hr.

Q19. A school has 8 periods a day each of 45 minutes duration. How long would each period be, if the school has 9 periods a day, assuming the ~~total~~ number of school hours to be the same?

Holiday HW.

1. Why is blood needed by all parts of the body?
2. What is blood? What are the components of blood?  
Explain
3. Draw the diagram of human excretory system and label the parts.
4. Differences between
  - a) arteries and veins
  - b) Xylem and Phloem
  - c) Sexual and asexual reproduction
  - d) Unisexual and bisexual flowers
  - e) Concave lens and Convex lens.
5. Describe the different methods of asexual reproduction.  
Give examples
6. Describe the various ways by which seeds are dispersed
7. Draw the symbols of electric components.
  - a) cell
  - b) battery
  - c) wire
  - d) bulb.
8. State the characteristics of the image formed by a plane mirror.
9. Give one use each of a concave and convex mirror
10. A simple pendulum takes 32 sec to complete 20 oscillations. What is the time period of the pendulum.

PKV

## HOLIDAY HOMEWORK.

CLASS: VII A & B.

SUBJECT: ENGLISH.

### Q 1. LETTER WRITING.

(a) Write a letter to the Editor of the local newspaper complaining about the nuisance created by the monkeys and stray dogs in the street. Sign yourself as Deepak / Deepa of Kamla Nagar, Coimbatore.

(b) You are Subha / Subham of 36, Lajpall Nagar, Coimbatore. Write a letter to your friend asking him to suggest you the names of some good story books that you should read during winter break.

### Q 2. PARAGRAPH WRITING.

Write a short paragraph on the following topics:

- (i) Importance of Sports and Games.
- (ii) Gifts of Science.
- (iii) Need for Moral Education in Schools.

### Q 3. VALUE BASED QUESTIONS.

(a) Nishad decides to trust Mr. Nath. Do you think "to be trusted is a greater complement than being loved" - Explain.

(b) Freedom is life. Discuss this with reference to 'Chandni' and 'I want something in a Cage'.



## कक्षा - सातवी - VII -

पाठ के नाम

1. कंचा
2. एक तिनका
3. खान पान की बदलती तस्वीर
4. नीलकंठ
5. ओर और बरखा

- \* पाठ का वाचन
- \* प्रश्नोत्तर दो-दो बार लिखना।
- \* पत्र लेखन
- \* अनुच्छेद लेखन
- \* महाभारत के प्रश्नोत्तर को दो-दो बार लिखना।

पत्र लेखन

- \* समय का सदुपयोग बताते हुए छोटी वृद्ध को पत्र लिखिए।
- \* तीन-दैन की अवकाश मांगते हुए प्रधानाचार्य जी को अवकाश पत्र लिखिए।

अनुच्छेद लेखन

- \* विद्यार्थी और अनुशासन
- \* इंटरनेट का महत्व

## VII A and B

### HOLIDAY HOMEWORK - DECEMBER 2019

#### MATHS

Q1. List five rational numbers between :-

(i) -1 and 0

(ii) -2 and -1

Q2. Write four more rational numbers in each of the following :-

(i)  $-\frac{3}{5}, -\frac{6}{10}, -\frac{9}{15}, -\frac{12}{20}, \dots$

(ii)  $\frac{1}{4}, -\frac{2}{8}, -\frac{3}{12}, \dots$

Q3. Give four rational numbers equivalent to :-

(i)  $\frac{3}{4}$

(ii)  $\frac{4}{9}$

(iii)  $-\frac{5}{9}$

Q4. Write the following rational numbers in ascending order :-

(i)  $-\frac{3}{5}, -\frac{2}{5}, -\frac{1}{5}$

(ii)  $-\frac{3}{7}, -\frac{3}{2}, -\frac{3}{4}$

Q5. Find the sum

(i)  $\frac{5}{4} + (-\frac{11}{4})$

(ii)  $\frac{5}{3} + \frac{3}{5}$

(iii)  $-\frac{3}{11} + \frac{5}{9}$

Q6. Find

(i)  $\frac{7}{24} - \frac{11}{36}$

(ii)  $-2\frac{1}{9} - 6$

Q7. Find the product :-

(i)  $\frac{9}{2} \times (-\frac{7}{4})$

(ii)  $\frac{3}{10} \times (-9)$

Q8. Find the value of :-

(i)  $(-4) \div \frac{2}{3}$

(ii)  $\frac{2}{3} \div \frac{1}{8}$

(iii)  $-\frac{7}{12} \div (-\frac{2}{13})$

Q9. Construct  $\Delta XYZ$  in which  $XY = 4.5$  cm,  $YZ = 5$  cm and  $ZX = 6$  cm.

Q10. Construct  $\Delta DEF$  such that  $DE = 5$  cm,  $DF = 3$  cm and  $\angle EDF = 90^\circ$

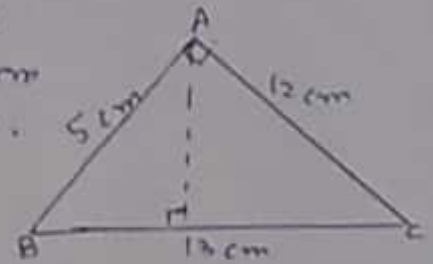
Q11. Construct  $\Delta ABC$ , given  $\angle A = 60^\circ$ ,  $\angle B = 30^\circ$  and  $AB = 5.8$  cm.

Q12. value of  $\pi =$  \_\_\_\_\_

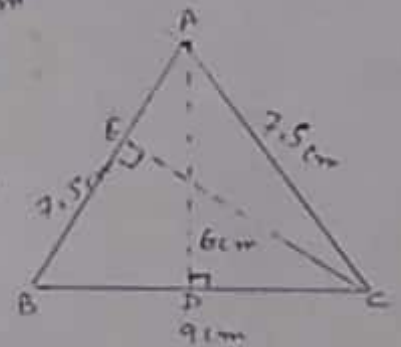
Q13. (i)  $1 \text{ m}^2 =$  \_\_\_\_\_  $\text{cm}^2$

(ii)  $1 \text{ ha} =$  \_\_\_\_\_  $\text{m}^2$

Q14.  $\triangle ABC$  is right angled at A. AD is perpendicular to BC. If  $AB = 5 \text{ cm}$ ,  $BC = 13 \text{ cm}$  and  $AC = 12 \text{ cm}$ , find the area of  $\triangle ABC$ . Also, find the length of AD.

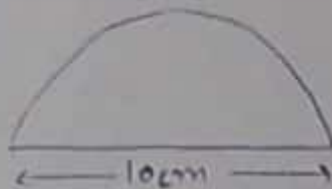


Q15.  $\triangle ABC$  is isosceles with  $AB = AC = 7.5 \text{ cm}$  and  $BC = 9 \text{ cm}$ . The height AD from A to BC, is  $6 \text{ cm}$ . Find the area of  $\triangle ABC$ . What will be the height from C to AB i.e. CE?



Q16. If the circumference of a circular sheet is  $154 \text{ m}$ , find its radius. Also, find the area of the sheet. (Take  $\pi = \frac{22}{7}$ ).

Q17. Find the perimeter of the adjoining figure, which is a semicircle including its diameter.



Q18. State True or false:

(i) A variable can take various values. (T/F)

(ii) A constant has a fixed value. (T/F).

## Holiday Home Work - SCIENCE

class: IX A & B

- \* Very short answer questions of one mark from the chapters assigned.
- \* short answer and long answer questions from the chapters assigned.
- \* PISA - based questions.
- \* Improvement of food resources
- \* Structure of atom
- \* Work and energy
- \* Sound.

## Holiday Home Work - SCIENCE

Class : XA 9D

- \* Solving of Preboard paper systematically.
- \* Very short answer type questions
- \* Short answer type questions
- \* Long answer type questions of the chapters discussed.
  - \* Light
  - \* Periodic classification of elements
  - \* Heredity and Evolution

..

# Holiday Home Work - SCIENCE

Class: VI B

I. \* Very short answer questions carrying one mark each.

\* Yes or No

\* True or False

\* Fill in the blanks

\* Define the followings.

II. Three marks questions

\* Types of motion

\* Bulb and cell

\* Conductors and insulators.

III. Five mark type questions

\* Habitat and types of habitat

\* Precautions while using electric objects

\* Luminous objects

\* Transparent, translucent and opaque objects

## Holiday Homework.

Class: VI - ~~A~~ B

Subj: SST

- \* Learn for Periodic Test - II
- \* Mark the 7 continents of the world on the world map and learn the same
- \* Mark the following cities of the Mauryan empire on India map and learn the same.

→ Shahbazgashi

→ Bahapur (DL)

→ Sarnath

→ Ujjain

→ Sopara

→ Yerragudi

→ Taxila

→ Meerut

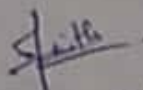
→ Pataliputra

→ Sanchi

→ Kalinga

→ Brahmagiri

Name & Sign of the Teacher

  
(ANITHA R.)

Class 6th. (SONU SHARMA.)

Science

(i) g. The living organism and their surrounding,

10. Motion and Measurement of Distance

11. Light, shadows and Reflections.

12. Electricity and Circuits

Learn  
and  
write  
Ncert  
Exercises.

(ii) For PISA.

write a note on.

(i) Solar cooker.

(iv) Waste management.

(ii) Electric cell.

(v) magnet.

(iii) Balanced diet.



# Holidays Homework

Class - VI

ENGLISH

Write the Paragraph on: —

- \* One day Cricket Match
- \* My Ideal teacher
- \* Environmental Pollution

Write the letter on —

1. Describing to your friend how you celebrated your last birthday.
  2. To Your uncle thanking him for a nice birthday gift.
- \* Write a story with an appropriate title and a moral
  - \* Learn all the questions and answers from your notebook -
  - \* Write a notice for the school notice board that on 24<sup>th</sup> December, your school is celebrating 'Christmas Day'

## VI A and B

### HOLIDAY HOMEWORK - DECEMBER

#### MATHS

Q1. Write the fraction representing the shaded portion.

(i)



(ii)



Q2. What fraction of a day is 8 hours?

Q3. Find the equivalent fraction of  $\frac{3}{5}$  having

(a) denominator 20

(b) numerator 27.

Q4. Reduce the following fractions to simplest form:-

(a)  $\frac{48}{60}$

(b)  $\frac{150}{60}$

(c)  $\frac{84}{98}$

Q5. Fill appropriate signs ('<', '=', '>')

(i)  $\frac{3}{5}$    $\frac{2}{3}$

(ii)  $\frac{7}{9}$    $\frac{3}{4}$

(iii)  $\frac{2}{4}$    $\frac{3}{6}$

Q6. Solve

(i)  $\frac{3}{10} + \frac{7}{15}$

(ii)  $\frac{5}{8} + \frac{1}{8}$

Q7. (i) 1 rupee = \_\_\_\_\_ paise

(ii) 10 mm = \_\_\_\_\_ cm

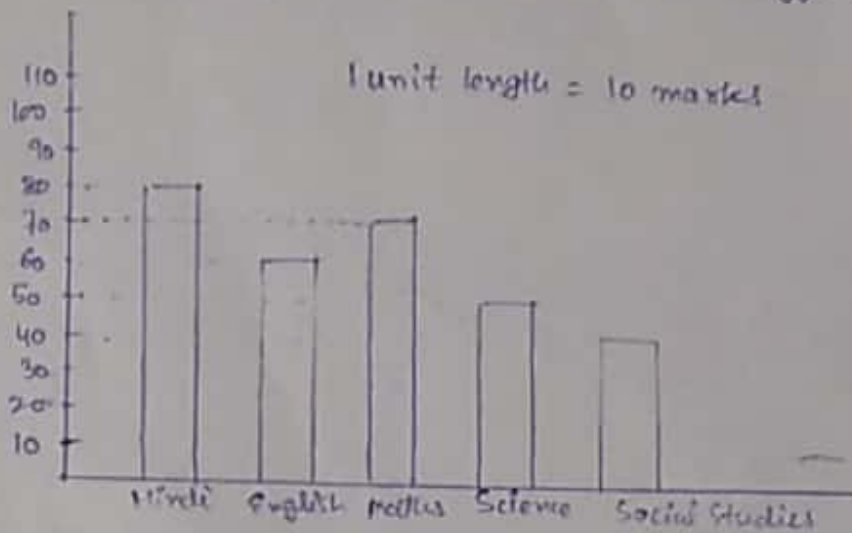
Q8. Write the following decimals in place value table.

(i) 19.4

(ii) 0.3

(iii) 208.9

Q9. Observe this bar graph which shows the marks obtained by Aziz in half-yearly examination in different subjects.



(a) Name the subject in which Aziz scored maximum marks.

(b) Name the subject in which he has scored minimum marks.

(c) State the name of the subjects and marks obtained in each of them.

Q10. Sweety runs around a square park of side 75 m. Bulbul runs around a rectangular park with length 60 m and breadth 45 m. Who covers less distance.

Q11. (i) ~~Length~~ Perimeter of square = \_\_\_\_\_

(ii) Perimeter of rectangle = \_\_\_\_\_

(iii) Area of square = \_\_\_\_\_

(iv) Area of rectangle = \_\_\_\_\_

Q12. How many tiles whose length and breadth are 12 cm and 5 cm respectively will be needed to fit in a rectangular region whose length and breadth are 100 cm and 144 cm respectively.

## Holiday Holiday Homework

- \* Learn for PT-II
- \* Mark the 7 continents of the world on the world map and learn the same.
- \* Mark the following cities of the Mauryan Empire on India Map and learn the same.

- |                 |               |                    |
|-----------------|---------------|--------------------|
| 1] Shahbazgarhi | 2] Taxila     | 3] Bahapur (Delhi) |
| 4] Meerut       | 5] Saurath    | 6] Pataliputra     |
| 7] Ujjain       | 8] Sanchi     | 9] Sopara          |
| 10] Kalinga     | 11] Yerragudi | 12] Brahmagiri     |

Home - Work

- Q1. Draw a map of your classroom using proper scale and symbols for different objects.
- Q2. i) How many are prisms and cylinders alike?  
ii) How are pyramids and cones alike?
3. Using Euler's formula, find the unknown.  
(Solve fully)

Faces	?	5	20
Vertices	6	?	12
Edges	12	9	?

A square and a rectangle ~~is~~ field with measurement as given in the figure has the same perimeter. Which field has a larger area?

5.1

Visualising Solid Shapes — 1 —

Mensuration

11.2 - 9, 10

11.3 - 4, 7

11.4 - 3, 6

Exponents & powers

12.1 - 2, 3, 6

12.2 - 3

Direct & inverse proportion

13.1 - 5, 9

13.2 - 9, 10, 11

Example - 5