



## **SRI VIDYALAKSHMI INTERNATIONAL PUBLIC SCHOOL**

(Affiliated to Central Board of Secondary Education, New Delhi)

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Fb Page: Srividyalakshmi International Public School

**Holiday Assignment -2019-2020**

### **Class: X- Standard**

### **SUBJECT: ENGLISH**

- I. Read the text book thoroughly. (Completed lessons only.)
- II. Regardless of improvements to drinking water, many other water sources are contaminated with both bio and chemical pollutants, over 21% of the country's diseases are water related.  
Furthermore, only 33% of the country has access to traditional sanitation.  
Write a report to the editor of newspaper "Times of India"
- III. Students spend a lot of time in front of T.V. They watch advertisements selling various consumer products targeted at children. As a result children demand clothes, shoes, food etc. that are advertised on T.V. Write an article on T.V advertisements and children in 100-150 words.
- IV. Write an article to your school magazine about rapid growth of use of plastic and government measures to control it.
- V. "Team work builds a strong foundation", with respect to confidence, co-operation and mutual understanding. Write a short paragraph with your own experience.
- VI. 'Mother's day' and 'Father's day' are celebrated to tie the relation between parents and their children, write a diary writing how significant are your parent in your life.
- VII. Write a descriptive paragraph about the celebration of "Annual Sports Meet 2019-20" at vidyalakshmi.
- VIII. Highlight your ideas about "Role and importance of Teachers IN OUR lives".
- IX. 'Teenage and life style' and 'Time management and Education' quote some points.
- X. Write an essay on "CRISIS DURING THE OLD AGE AND OUR RESPONSIBILITIES TOWARDS THEM".

### **SUBJECT: SCIENCE**

#### **I. Choose the correct answer:**

1. In a closed circulatory system, blood is completely enclosed within  
(a) vessels (b) heart (c) skeleton (d) sinuses

2. Which part of alimentary canal receives bile from liver?  
(a) stomach ( b) small intestine ( c) large intestine (d) oesophagus
3. A biochemical compound that readily combines with oxygen and distributes it through out the human body  
(a) water (b) urea (c) haemoglobin (d) acetylcholine
4. The filtration units of kidneys are called  
(a) ureter (b) urethra ( c) neurons ( d) nephrons
5. Which of the following is a transition element?  
(a) Pb (b) As ( c) Al ( d) Ni
6. In Mendeleev's periodic table, gaps were left for the elements to be discovered later. Which of the following elements found a place in the periodic table later?  
(a) germanium (b) chlorine ( c) oxygen ( d) silicon
7. Which of the given elements A,B,C,D and E with atomic number 2,3,7,10 and 30 respectively belong to the same period?  
(a) A,B,C. (b) B,C,D (c) A,D,E. (d) B,,D,E
8. Which of the following is the outermost shell for elements of period 2?  
(a) K shell (b) L shell (c) M shell ( d) N shell
9. Chlorine (17) belongs to which group and period  
(a) 7,3. (b) 17,3 ( c) 1,3 (d) 16,3
10. Which one of the following does not increase while moving down the group of the periodic table?  
(a) Atomic radius (b) Metallic character (c) valence electrons (d) Number of shells in (e) an element
11. The angle of incidence for a ray of light having zero reflection angle is  
(a) 0 ( b) 30 (c) 45 (d) 90
12. A concave mirror of focal length 20cm forms an image having twice the size of object. For the virtual position of object, the position of object will be at  
(a) 25cm (b) 40cm (c) 10cm (d) at Infinity

## II. Assertion and reason type:

**In the following questions, the assertion and reason have been put forward. Read the statements carefully and choose the correct alternative from the following:**

- (a) both the assertion and the reason are correct and the reason is the correct explanation of the assertion.
- (b) the assertion and the reason are correct but the reason is not the correct explanation of the assertion.

(c) Assertion is true but the reason is false

(d) Assertion is false but the reason is true

1. A: Group 1 and 2 elements are metals

R: Group 1 and 2 elements can lose electrons easily to form cations

2. A: K is more reactive than Na

R: K is smaller in size than Na

3. A: Fluorine is more reactive than chlorine

R: Fluorine and chlorine belong to Group 17 called Halogen.

4. A: There are 118 elements discovered so far.

R: sulphur (16) belongs to group 16 and belongs to 3rd period.

5. A: cannot see the distant object clearly

R: The far point of an eye suffering from myopia is less than Infinity

6. A: Pupil is black in colour.

R: Pupil is black in color as no light is reflected in it.

7. A: Human being had a complex respiratory system

R: Human skin is impermeable to gases

8. A: All proteins in our food are digested in small intestine only.

R: The protein digesting enzymes are released into small intestine.

9. A: Human heart does not allow mixing of oxygen rich blood with carbon dioxide rich blood. R: Human heart has different Chambers

10. A: Veins have thin walls to collect blood from

R: Blood in veins are not under pressure

### III.Fill in the blanks:

1. The focal length of a lens is the distance between \_\_\_\_\_ and \_\_\_\_\_ of the lens
2. Angle of refraction cannot exceed\_\_\_\_\_
3. In order to calculate the power of a lens, we need it's focal length in\_\_\_\_\_
4. Iodine turns blue- black on reacting with \_\_\_\_\_
5. Pyruvic acid is a three carbon compound which is also know as\_\_\_\_
6. \_\_\_\_\_ are long, thin, spindle shaped cell with pits in their thick cell walls.
7. The expansion of an artery each time the blood is forced into it, is called\_\_\_\_\_
8. Diagonal elements from boron to polonium are know as\_\_\_\_\_
9. Group \_\_\_\_\_locate the element with electronic configuration 2,7 in the modern periodic table
10. On going down in a group of the periodic table, the size of atoms\_\_\_\_\_

### IV.Give two examples of :

1. Combination reaction
2. Photolytic decomposition reaction
3. Thermal decomposition reaction
4. Electric decomposition reaction
- 5.Displacement reaction
6. Double displacement reaction
7. Precipitation reaction
8. Exothermic reaction
9. Endothermic reaction
- 10.Redox reaction

### V. Write the functions of following:

1. Amylase
2. Pepsin
3. Renin
4. Trypsin
5. HCl
6. Pancreatic juice
7. Bile juice
8. Saliva
9. Villi
10. Intestinal juice

## VI. Match the following:

- |                        |                  |
|------------------------|------------------|
| 1. Fish.               | Pancreatic juice |
| 2. Birds               | Intestinal juice |
| 3. Aquatic arthropoda. | Gastric juice    |
| 4. Earthworm.          | Saliva           |
| 5. Mouth.              | Trachea          |
| 6. Stomach             | Gills            |
| 7. Duodenum.           | Lungs            |
| 8. Small intestine.    | Moist cuticle    |

## VII. Answer the following:

1. What is emulsification?
2. Name the structure which regulates the exit of waste material.
3. Why is anaerobic respiration less efficient?
4. Which enzyme present in saliva breaks down starch?
5. What do you mean by valency?
6. State one reason for placing Mg and Ca in the same group of the periodic table.
7. H, Li, Na, K placed in group. Why?
8. Is light a ray or a wave?
9. Specify the size of image formed by a concave mirror when  $m = 1$ .
10. What focal length can be assigned to a plane mirror?

## VIII. Draw the following diagrams.

1. Digestive system
2. Respiratory system
3. Circulatory system
4. Double circulation
5. Excretory system
6. Structure of nephron
7. Periodic table
8. Ray diagrams of concave and convex mirrors and lens when object is placed at different positions.

**SUBJECT: KANNADA**

೧:ಕೊಟ್ಟಿರುವ ವಿಷಯವನ್ನು ಕುರಿತು

ಪ್ರಬಂಧ ಬರೆಯಿರಿ.

ಸಾಮಾಜಿಕ

ಪಿಡುಗುಗಳು.

೧.ನಿಮ್ಮ ಶಾಲೆಯ ಗ್ರಂಥಾಲಯಕ್ಕೆ ಜ್ಞಾನಪೀಠ

ಪ್ರಶಸ್ತಿ ವಿಜೇತರ

ಪುಸ್ತಕಗಳನ್ನು

ಕಳುಹಿಸಿಕೊಡುವಂತೆ ಕೋರಿ ಸಂಬಂಧ ಪಟ್ಟ

ಅಧಿಕಾರಿಗಳಿಗೆ ಪತ್ರ

ಬರೆಯಿರಿ.

೨. ಕೊರೋನಾ ವೈರಸ್ ಜಾಗೃತಿಯನ್ನು ಕುರಿತು

ವರದಿ

ರಚಿಸಿ.

೪. ಯಾವುದಾದರೂ ಮೂರು ಗಾದೆಗಳನ್ನು

ವಿಸ್ತರಿಸಿ

ಬರೆಯಿರಿ.

೫. ಹತ್ತು ಕರ್ತರಿ ವಾಕ್ಯಗಳನ್ನು ಕರ್ಮಣಿ

ವಾಕ್ಯಗಳನ್ನಾಗಿ

ಪರಿವರ್ತಿಸಿ.

೬.ವಿದ್ಯಾರ್ಥಕ, ನಿಷೇಧಾರ್ಥಕ, ಸಂಭವನಾರ್ಥಕ

ರೂಪಗಳನ್ನು ೧೦

ಉದಾಹರಣೆಯೊಂದಿಗೆ

ಬರೆಯಿರಿ.

೭.ಹಳಗನ್ನಡ ವಿಭಕ್ತಿ

ಪ್ರತ್ಯಯಗಳನ್ನು ಹೆಸರಿಸಿ.

೮. ಸಮಾಸಗಳನ್ನು

ಉದಾಹರಣೆಯೊಂದಿಗೆ

ಬರೆಯಿರಿ.

೯. ೧೦ ಧಾತು ರೂಪಗಳನ್ನು

ಬರೆಯಿರಿ.

೧೦. ಕಾಲಗಳನ್ನು ಉದಾಹರಣೆಯೊಂದಿಗೆ

ಬರೆಯಿರಿ...(೧೦ ಮಾತ್ರ).

### SUBJECT: MATHEMATICS

1. The general term of a sequence is given by  $a_n = -4n + 15$ . Is the sequence an A. P.? If so, find its 15<sup>th</sup> term and the common difference.
2. The  $n^{\text{th}}$  term of an A. P. is  $6n + 11$ . Find the common difference.
3. If the 8<sup>th</sup> term of an A. P. is 31 and the 15<sup>th</sup> term is 16 more than the 11<sup>th</sup> term, find the A. P.
4. Which term of the arithmetic progression 5, 15, 25, ----- will be 130 more than its 31st term?

5. Which term of the A. P. 3, 15, 27, 39.....will be 132 more than its 54th term?
6. Two A. P.'s has the same common difference. The difference between their 100th terms is 111222333. What is the difference between their Millionth terms?
7. The 10<sup>th</sup> and 18<sup>th</sup> terms of an A. P. are 41 and 73 respectively. Find 26<sup>th</sup> term.
8. If  $(m + 1)^{\text{th}}$  term of an A. P. is twice the  $(n + 1)^{\text{th}}$  term. Prove that the  $(3m + 1)^{\text{th}}$  term is twice the  $(m + n + 1)^{\text{th}}$  term.
9. If the  $n^{\text{th}}$  term of the A. P. 9, 7, 5.... is same as the  $n^{\text{th}}$  term of the A. P. 15, 12, 9..... find n.
10. Find the second term and  $n^{\text{th}}$  term of an A. P. whose 6<sup>th</sup> term is 12 and the 8<sup>th</sup> term is 22.
11. The sum of 4<sup>th</sup> and 8<sup>th</sup> terms of an A. P. is 24 and the sum of 6<sup>th</sup> and 10<sup>th</sup> terms is 34. Find the first term and the common difference of the A. P.
12. If an A. P. consists of  $n$  terms with first term  $a$  and  $n^{\text{th}}$  term  $l$  show that the sum of the  $n^{\text{th}}$  term from the beginning and the  $m^{\text{th}}$  term from the end is  $(a + l)$ .
13. If the  $a^{\text{th}}$  term of an A. P. be  $1/b$  and  $b^{\text{th}}$  term be  $1/a$  then show that its  $(ab)^{\text{th}}$  term is 1.
14. If the  $p^{\text{th}}$  term of an A. P. is  $q$  and the  $q^{\text{th}}$  term is  $p$ . Prove that its  $n^{\text{th}}$  term is  $(p + q - n)$
15. If  $m$  times the  $m^{\text{th}}$  term of an A. P. is equal to  $n$  times its  $n^{\text{th}}$  term. Show that the  $(m + n)^{\text{th}}$  term of the A. P. is zero.
16. Justify whether it is true to say that the following are the  $n^{\text{th}}$  terms of an AP.
  - (i)  $2n - 3$
  - (ii)  $3n^2 + 5$
  - (iii)  $1 + n + n^2$

17. Find the area of the triangle ABC with A (1, - 4) and mid-points of sides through A being (2, - 1) and (0, -1).
18. Find the ratio in which the point P ( $\frac{3}{4}$ ,  $\frac{5}{12}$ ) divides the line segment joining the points A ( $\frac{1}{2}$ ,  $\frac{3}{2}$ ) and B (2, -5).
19. If A(-4, 8), B(-3, -4), C(0, -5) and D(5, 6) are the vertices of a quadrilateral ABCD, find its area.
20. Find the coordinates of the point P dividing the line segment joining the points A (1, 3) and B (4, 6) in the ratio 2:1.
21. If the coordinates of one end of a diameter of a circle are (2, 3) and the coordinates of its centre are (-2, 5), then what are the coordinates of the other end of the diameter?
22. If a point A (0, 2) is equidistant from the points B (3, p) and C (p, 5), then find the value of p.
23. Prove that the points (7, 10), (-2,5) and (3,-4) are the vertices of an isosceles right triangle.
24. Find the ratio in which the y-axis divides the line segment joining the points (-4,-6) and (10, 12). Also find the coordinates of the point of division.
25. If the points A(x, 2), B (-3,-4) and C (7, -5) are collinear, then what is the value of x?
26. If the point A (0, 2) is equidistant from the points B(3, p) and C(p, 5), find P. Also find the length of AB.
27. The mid-point of segment AB is the point P (0, 4). If the Coordinates of B are (-2, 3) then find the coordinates of A.
28. If two vertices of an equilateral triangle are (3, 0) and (6, 0), find the third vertex.
29. Find the point of y-axis which is equidistant from the points (-5, -2) and (3, 2).



30.If two vertices of an equilateral triangle are (3, 0) and (6, 0), find the third vertex.

**SUBJECT:HINDI**

१ अंगेजी शासन काल में सर कृक सीमा की व्यख्या किस presidens के अधिकार क्षेत्र में थी।

२ केंद्र सरकार द्वारा ६ वे अंतराषटीरय योग दिवस प्रमुखआयोक्रिया जाएगा।

३ विष्णु के दस अवतारों के बारे में चित्र सहित परियोजना तैयार कीजिए।

४ किनही तीन अनुछेद लेखन के बारे में एक परियोजना तैयार कीजिए।

५किनही ५ पत्र लेखन लिखिए।

६ १० मुहावरे लिखिए।

७ दस समास शब्द लिखिए।

८ पाँच संवाद लेखन लिखिए।

९ दस मुहावरे शब्द केवाक्या में प्रयोग कीजिए।

१० पांच विगनापन लेखन लिखिए।

पाँच हिंदी कवियों के नाम और कवियों के बारे में लिखिए

२कोरोनो वैरेस के बारे में कर्नाटक सरकार की योजनाओं के बारे में लिखिए।

३ पाँच भारत के पृसिद्ध सथलो के बारे में लिखिए।

४ पाँच पत्र लेखन लिखिए।

५ अनुछेदलेखन लिखिए।

अ गरीबों की बस्तियां

आ योगदिवस।

६ दस पृतयय,उपसगृ शब्द लिखिए।

७ किनही तीन अनुछेद विषय पर परियोजना तैयार कीजिए।

८चार संवाद लेखन लिखिए।

९ दस विलोम शब्द लिखिए।

१० दस अन्य लिंग शब्द लिखिए।

## **SUBJECT: SOCIAL SCIENCE**

- I. Read the text book thoroughly for the chapter completed.
- II. The death toll epidemic disease caused by “corona virus” has become worldwide outbreak in daily updates. Prepare a report regarding this issue.
- III. Analyse and give a conclusion of your own briefing about Pradhan mantra modi’s PARIKSHA PE CHARCHA”. (Mainly focus on advantage and disadvantages.)
- IV. Discuss about the “budget 2019-20 and the Indian economy”. Do not exceed more than 200 words.
- V. Create an awareness chart about “Save the planet Earth” (3 RS REDUCE , RE- USE , RE-CYCLE.)
- VI. “Gender roles are changing challenging the traditional rules.” comment about the issue.
- VII. “Global warming – leading to uncertain seasonal changes”. Throw light on the topic.
- VIII. “Today’s Education - Depression and Stress” share your experience, not more than 150 words.
- IX. “Government and Dangerous diseases” what is your view?
- X. “Construction of highways and flyovers-metro trains-multiplying every year” is it a spirit of urbanization OR an accidental zone, analyse.