

THE S.D VIDYA SCHOOL,NOIDA

SUMMER HOLIDAY HOME WORK(2020-21)

CLASS-X

MATHEMATICS

ASSIGNMENT 2

Date of Submission:06 June,2020

- The cost of 2 kg of apples and 1kg of grapes on a day was found to be Rs.160. After a month, the cost of 4 kg of apples and 2 kg of grapes is Rs.300. Represent the situation algebraically.
- Half the perimeter of a rectangular garden, whose length is 4 m more than its width, is 36 m. Find the dimensions of the garden.
- On comparing the ratios a_1/a_2 , b_1/b_2 , and c_1/c_2 , find out whether the following pair of linear equations are consistent, or inconsistent. If the equation is consistent, plot a graph for it.
 - $3x + 2y = 5$; $2x - 3y = 7$
 - $2x - 3y = 8$; $4x - 6y = 9$
- Solve the following pair of linear equations by the substitution method, elimination and cross multiplication method.
 - $x + y = 14$
 $x - y = 4$
 - $3x - y = 3$
 $9x - 3y = 9$
- Solve $2x + 3y = 11$ and $2x - 4y = -24$ and hence find the value of 'm' for which $y = mx + 3$.
- The coach of a cricket team buys 7 bats and 6 balls for Rs.3800. Later, she buys 3 bats and 5 balls for Rs.1750. Find the cost of each bat and each ball.
- A fraction becomes $9/11$, if 2 is added to both the numerator and the denominator. If, 3 is added to both the numerator and the denominator it becomes $5/6$. Find the fraction.
- Form the pair of linear equations in the following problems, and find their solutions (if they exist) by the elimination method:
 - Five years ago, Nuri was thrice as old as Sonu. Ten years later, Nuri will be twice as old as Sonu. How old are Nuri and Sonu?
 - A lending library has a fixed charge for the first three days and an additional charge for each day thereafter. Saritha paid Rs.27 for a book kept for seven days, while Susy paid Rs.21 for the book she kept for five days. Find the fixed charge and the charge for each extra day.
- Solve the following pair of linear equations by the substitution and cross-multiplication methods:
 $8x + 5y = 9$
 $3x + 2y = 4$
- For which value of k will the pair of equations $kx+3y=k-3$ and $12x+ky=k$ has no solutions.
- Formulate the following problem as a pair of equations, and hence find the solution: Rita can row downstream 20 km in 2 hours, and upstream 4 km in 2 hours. Find her speed of rowing in still water and the speed of the current.

SCIENCE

ASSIGNMENT 2

Date of Submission:06 June,2020

1. Write the name and chemical formula of the products formed by heating gypsum at 373 K.
2. Write the name and chemical formula of the product formed by the action of chlorine on slaked lime.
3. Write the name and chemical formula of the main product formed by heating baking soda.
4. Dry ammonia gas has no action on litmus paper; a solution of ammonia in water turns red litmus paper blue. Why is it so?
5. Name the gas evolved when dilute HCl reacts with sodium hydrogen carbonate. How is it recognized?
6. How will you test for a gas which is liberated when hydrochloric acid reacts with an active metal?
7. A compound which is prepared from gypsum has the property of hardening when mixed with a proper quantity of water. Identify the compound. Write the chemical equation for its preparation. For what purpose is it used in hospitals?
8. What is the colour of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ crystals? How does this colour change upon heating?
9. What is 'Baking Powder'? How does it make cakes soft and spongy?
10. On adding dil.HCl to copper oxide powder, the solution formed is blue green. Predict the new product formed which imparts blue-green colour to the solution.

ENGLISH

ASSIGNMENT 2

Date of Submission: 06 June, 2020

1. Reading Comprehension – Collect three newspaper articles related to Quarantine period/Health and Hygiene/Education (250-300 words each). Cut and paste them in the notebook. Read and frame eight questions with answers from each. Out of those eight questions two must be vocabulary-based questions. Write them neatly underneath the pasted articles.

2. Letter Writing- (120-150 words)

i. Letter to the Editor of local daily regarding the Encroachment of Lakes for garbage/sewage dumps or construction of apartments causing depletion of greenery.

ii. Letter – as librarian of your school, place an order for books in the school library.

iii. Letter of enquiry to a Coaching Institute about the duration, fee, faculties, etc. of a three-month course you want to pursue immediately after the Board Exam.

3. Write a story in about 250 words using the prompt given below as the opening lines:

“So that’s you are,” he whispered in awe....”

Try to illustrate two three key scenes of the story with small drawings/sketching to make it look real and attractive.

POLITICAL SCIENCE

ASSIGNMENT 2

Date of Submission:06 June,2020

Q1----Multiple choice questions:

1----- How many people speak French and Dutch in the capital city of Brussels?

- a) 60 percent French 40 percent Dutch
- b) 50% Dutch 50% French
- c) 80% French 20% Dutch
- d) 80% Dutch 20% French

2----- How many times leaders of Belgium amended their constitution?

- A) Two times
- B) Three times
- C) Four times
- D) Five times

3----- Which was the only official language of Sri Lanka?

- (a) Tamil
- (b) Malyalam
- (c) Sinhala
- (d) none of the mention above

4----- Which community was rich and powerful in Belgium?

- (a) German
- (b) French
- (c) Dutch
- (d) none of the mention above

Q2-----Answer the following questions:

1----- What is majoritarianism? How it has led to alienation of majority community in Sri Lanka?

2----- What is the system of checks and balances of power sharing?

3----- What was a community government?

4----- What were the political problems faced by Belgium?

5----- Explain the ethnic problem of Srilanka.

6-----Why is power sharing good for democracies?

7-----Why power sharing is Desirables.

8----- Explain different forms of power sharing in modern democracies

9----- Is it possible to change the power sharing arrangement? If so How?

हिंदी

कार्य पत्रिका -2

कार्य जमा करने की तिथि :- 06 जून

प्रश्न-1 बड़े भाई साहब छोटे भाई से हर समय क्या सवाल पूछते थे ?

प्रश्न-2 बड़े भाई साहब छोटे भाई से उम्र में कितने बड़े थे ?

प्रश्न-3 'सिर पर नंगी तलवार लटकना' का सही अर्थ क्या हो सकता है ?

प्रश्न-4 पाठ्य में बड़े भाई की छवि कैसी है ?

प्रश्न-5 लेखक द्वारा समय सारणी क्यों बनाई गई ?

प्रश्न-6 लेखक का मन पढ़ाई में न लगकर किन कार्यों में लगता था ?

प्रश्न-7 एक परिवार में बड़े भाई या बहन का अपने छोटे भाई-बहनों के साथ कैसा व्यवहार होना चाहिए ?

प्रश्न-8 शिक्षा को लेकर बड़े भाई साहब का क्या मत था ?

प्रश्न-9 क्या पाठ में बड़े भाई का बचपन जिम्मेदारियों तले दबकर गायब हो गया है ?

प्रश्न-10 पाठ के माध्यम से हमारी शिक्षा पद्धति की कौन सी कमी उजागर हुई है ? स्पष्ट कीजिए ।

संस्कृत

कार्य पत्रिका -2

कार्य जमा करने की तिथि :- 06 जून

1. तीनों पुरुषों के अनुसार पाचों लकारों में संस्कृत वाक्यों का निर्माण कीजिए ।
2. विसर्ग और व्यंजन संधियों के 20 20 उदाहरण लिखें व समझे ।
3. मत्तुप्,त्व,तल्,ठक्,टाप् और डीप् प्रत्ययो के नियम व उदाहरणों को पुनः अभ्यास पुस्तिका में लिखे ।
- 4 10 अशुद्ध वाक्यों को लिखकर पुनः शुद्ध करके अभ्यास पुस्तिका में लिखे ।