

SGJ DAV Senior Secondary Public School, Haripura

Holiday Homework

Class: 10th

Session: 2020-21

Subject: English

Maximum Marks: 100

Instructions:-

1. It is mandatory for all the students to complete the home work.
2. Internal assessment will be based on the completion of holidays' homework.
3. Punctuality in early submission will be benefitted by awarding extra marks.

1. Read the extracts carefully and answer the following questions.

1x8=8

Dust of Snow

The way a crow Shook down on me
The dust of snow From a hemlock tree
Has given my heart A change of mood
And saved some part Of a day I had rued.

- Q1. Where was the crow sitting?
- Q2. What did it shake on the poet?
- Q3. What was the poet's state of mind at that time?
- Q4. Find the name of a poisonous plant from the passage.
- Q5. Give the rhyming word of the poem.
- Q6. Give the rhyming scheme of the poem?
- Q7. Who is the poet of the poem?
- Q8. Which word in the passage mean same as 'held in regret'?

2. Read the extracts carefully and answer the following questions.

1x7=7

Fire and Ice

Some say the world will end in fire Some say in ice.
From what I've tasted of desire
I hold with those who favour fire.
But if it had to perish twice,
I think, I know enough of hate To say that for
destruction ice Is also great
And would suffice

- Q1. Who is the poet of the poem?
- Q2. Give the rhyming scheme of the poem?
- Q3. Find the use of alliteration of the poem?
- Q4. Find the word from the passage which means the same as 'to die'.
- Q5. Find the word from the passage which means same as 'endless grief'.
- Q6. What does 'Fire' and 'Ice' stands for?
- Q7. Hatred, coldness and rigidity are the symbol of

3. Read the passages carefully and answer the questions that follow:

4x2=8

1. It was during the meal that, just as Lencho had predicted, big drops of rain began to fall. In the North-East huge mountains of clouds could be seen approaching. The air was fresh and sweet. The man went out for no other reason than to have the pleasure of feeling the rain on his body.
 - (a) What could be seen approaching in the North-East?
 - (b) Why did Lencho go out?
 - (c) Give an antonym of the word Big.
 - (d) Which word in the passage is a synonym of 'forecast'?

2. Not a leaf remained on the trees. The corn was totally destroyed. The flowers were gone from the plants. Lencho's soul was filled with sadness. When the storm had passed, he stood in the middle of the field and said to his sons. "A plague of locusts would have left more than this. The hail has left nothing.

(a) Describe Lencho's feeling as shown in the passage.

(b) What happened to the crop when the storm had passed?

(c) Find the word that means the opposite of 'restored' as used in the passage.

(d) What do you mean by 'hail' in the last line?

4. Answer the following questions: 2x6=12

Q1. Where was Lencho's house situated?

Q2. What were Lencho's feelings when the hailstorm stopped?

Q3. How did the postmaster help Lencho?

Q4. Why did Lencho become angry when he counted the money?

Q5. What did Lencho write in his second letter?

Q6. Why would you not agree with Lencho calling them a 'bunch of crooks'?

1. Project Work:- 35

1. Read the following chapters from <http://ncert.nic.in/textbook/textbook.htm> and prepare a dictionary of 50 difficult words with their meanings. 10

From Book (First Flight)

i) Nelson Mandela

ii) Two stories about flying

a) His First Flight

b) Black Aeroplane Foot Prints
without feet

i) A Triumph of Surgery

ii) The Thief's Story

iii) The Midnight visitor

2. Prepare a PPT on Tenses. 15

3. Story writing based on given hints: 10

Tortoise and hare---- good friends----- tortoise--- known for his slow speed--

-- hare makes fun of tortoise--- challenges him to run a race ----- referee

selected----- race starts----- hare over confident----- takes a nap----- tortoise

wins.

4. ASL 20

1. Prepare your video on any one of the following topics and send it on

ranusharmadavharipura@gmail.com 10

Topic of Speaking

(Speaking Parameters:- Accuracy, pronunciation, presentation & fluency)

a) Good Manners

b) Importance of good health

2. Listening (Parameters:- Accuracy, relevance & presentation) 10

Listening test by Self created audio with MCQs

5. Tests based on Chapter, Poems and Tenses through Google forms. 10

Name:- Ranu Sharma Contact No.

6280500723

E-Mail: ranusharmadavharipura@gmail.com Blog:

ranusharmadavharipura.blogspot.com

SGJ DAV Senior Secondary Public School, Haripura

Holiday Homework

Class: 10th

Session: 2020-21

Subject: Hindi

कक्षा दसवीं. (हिंदी)

कुल अंक 100

भाग क 40 अंक

1. अपने क्षेत्र में फैली हुई बीमारी क्रोना वायरस के बारे में बताते हुए अपने मित्र को पत्र लिखें। 10 अंक
2. अपने मित्र को ऑनलाइन कक्षाओं के महत्व के बारे में बताते हुए पत्र लिखें। 10 अंक
3. ऑनलाइन शॉपिंग का बढ़ता प्रचलन विषय पर 350 शब्दों में निबंध लिखें। 10 अंक
4. भारत में बढ़ते हुए जल संकट की समस्या विषय पर 350 शब्दों में निबंध लिखें। 10 अंक

भाग ख 40 अंक

5. प्रोजेक्ट कार्य. 20 अंक

अपने क्षेत्र में उत्पन्न होने वाली प्राकृतिक आपदाओं के बारे में जानकारी एकत्रित कर उनके निवारण हेतु उपाय बताते हुए एक रिपोर्ट तैयार कीजिए।

6. गतिविधि 20 अंक

स्वयं निर्मित कोई कहानी या कविता लिखकर या ऑडियो के माध्यम से अपने हिंदी अध्यापक को भेज दीजिए। आपकी उच्चारण क्षमता और लेखन के आधार पर आपको अंक दिए जाएंगे।

भाग ग 20 अंक

7. आप की पाठ्यपुस्तक में करवाए गए कार्य के आधार पर आपका लिखित और मौखिक परीक्षण लिया जाएगा जिसके लिए आप पाठ्यपुस्तक के प्रथम 2 पाठ अच्छी तरह से याद करेंगे।

Name Neeshpal kaur.

Mobile no 8528629786

SGJ DAV Senior Secondary Public School, Haripura

Holiday Homework

Class: 10th

Session: 2020-21

Subject: Punjabi

- 1) ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਤੇ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ। (35)
ਓ)- ਪੁਰਾਤਨ ਸਭਿਆਚਾਰ ਦੀਆਂ ਅਲੋਪ ਹੋ ਰਹੀਆਂ ਚੀਜ਼ਾਂ
ਅ) - ਉੱਡਣਾ ਸਿੱਖ
ਬ) - ਮਿਲਖਾ ਸਿੰਘ
- 11) ਪੱਕੀ ਕਾਪੀ ਪੂਰੀ ਕਰੋ (ਸਾਰਾ ਕੰਮ ਜੋ 1 ਤੋਂ 14 ਤੱਕ ਕਰਵਾਇਆ ਗਿਆ ਹੈ)
ਕ ਤੋਂ ਸ਼ੁਰੂ ਹੋਣ ਵਾਲੇ ਮੁਹਾਵਰੇ
ਪਾਠ ਮੈਂ ਕਿਸੇ ਤੋਂ ਘੱਟ ਨਹੀਂ
ਪਾਠ ਗੁੰਮ ਨੇ ਰਸੋਈ ਵਿੱਚੋਂ
2. ਹੇਠ ਲਿਖੇ ਵਿਸ਼ਿਆਂ ਤੇ ਲੇਖ ਲਿਖੋ (35)
ਓ)- ਮਹਿੰਗਾਈ ਦੀ ਸਮੱਸਿਆ
ਅ)- ਕਰੋਨਾ covid 19 ਇੱਕ ਭਿਆਨਕ ਮਹਾਮਾਰੀ
ਬ)- ਇੰਟਰਨੈੱਟ
ਸ)- ਪ੍ਰਦੂਸ਼ਣ ਦੀ ਸਮੱਸਿਆ
ਹ)- ਮੇਲੇ ਅਤੇ ਤਿਓਹਾਰ
- 3) ਦੋ ਟੈਸਟ ਲਏ ਜਾਣਗੇ ((ਗੁੱਗਲ ਫੋਮ ਦੁਆਰਾ) (30)
ਕਿਸੇ ਵੀ ਪੁੱਛਗਿੱਛ ਲਈ

ਹਰਦੀਪ ਕੌਰ

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SGJ DAV Senior Secondary Public School, Haripura

Holiday Homework

Class: 10th

Session: 2020-21

Subject: Mathematics

THE WHOLE WORK IS DIVIDED INTO FOLLOWING PARTS:-

1. *Written work(notebook)*- Students should have completed following exercises of exemplar mathematics. 40 marks

Chapter 2nd - Exercise 2.3 and 2.4

Chapter 4th - Exercise 4.2 and 4.3

+ MCQ of 1st , 2nd and 4th chapters.

Note - These exercises are from exemplar mathematics. Students who have not completed main mathematics exercises, must have to complete that that too.

EXERCISE 2.3

Find the zeroes of the following polynomials by factorisation method and verify the relations between the zeroes and the coefficients of the polynomials:

1. $4x^2 - 3x - 1$

2. $3x^2 + 4x - 4$

03/05/18

POLYNOMIALS

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3. $5t^2 + 12t + 7$

4. $t^3 - 2t^2 - 15t$

5. $2x^2 + \frac{7}{2}x + \frac{3}{4}$

6. $4x^2 + 5\sqrt{2}x - 3$

7. $2s^2 - (1 + 2\sqrt{2})s + \sqrt{2}$

8. $v^2 + 4\sqrt{3}v - 15$

9. $y^2 + \frac{3}{2}\sqrt{5}y - 5$

10. $7y^2 - \frac{11}{3}y - \frac{2}{3}$

EXERCISE 2.4

- For each of the following, find a quadratic polynomial whose sum and product respectively of the zeroes are as given. Also find the zeroes of these polynomials by factorisation.
 - $\frac{-8}{3}, \frac{4}{3}$
 - $\frac{21}{8}, \frac{5}{16}$
 - $-2\sqrt{3}, -9$
 - $\frac{-3}{2\sqrt{5}}, -\frac{1}{2}$
- Given that the zeroes of the cubic polynomial $x^3 - 6x^2 + 3x + 10$ are of the form $a, a + b, a + 2b$ for some real numbers a and b , find the values of a and b as well as the zeroes of the given polynomial.

03/05/18

POLYNOMIALS

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- Given that $\sqrt{2}$ is a zero of the cubic polynomial $6x^3 + \sqrt{2}x^2 - 10x - 4\sqrt{2}$, find its other two zeroes.
- Find k so that $x^2 + 2x + k$ is a factor of $2x^4 + x^3 - 14x^2 + 5x + 6$. Also find all the zeroes of the two polynomials.
- Given that $x - \sqrt{5}$ is a factor of the cubic polynomial $x^3 - 3\sqrt{5}x^2 + 13x - 3\sqrt{5}$, find all the zeroes of the polynomial.
- For which values of a and b , are the zeroes of $q(x) = x^3 + 2x^2 + a$ also the zeroes of the polynomial $p(x) = x^5 - x^4 - 4x^3 + 3x^2 + 3x + b$? Which zeroes of $p(x)$ are not the zeroes of $q(x)$?

EXERCISE 4.2

- State whether the following quadratic equations have two distinct real roots. Justify your answer.
 - $x^2 - 3x + 4 = 0$
 - $2x^2 + x - 1 = 0$
 - $2x^2 - 6x + \frac{9}{2} = 0$
 - $3x^2 - 4x + 1 = 0$
 - $(x + 4)^2 - 8x = 0$
 - $(x - \sqrt{2})^2 - 2(x + 1) = 0$
 - $\sqrt{2}x^2 - \frac{3}{\sqrt{2}}x + \frac{1}{\sqrt{2}} = 0$
 - $x(1 - x) - 2 = 0$
 - $(x - 1)(x + 2) + 2 = 0$
 - $(x + 1)(x - 2) + x = 0$
- Write whether the following statements are true or false. Justify your answers.
 - Every quadratic equation has exactly one root.
 - Every quadratic equation has at least one real root.
 - Every quadratic equation has at least two roots.
 - Every quadratic equation has at most two roots.
 - If the coefficient of x^2 and the constant term of a quadratic equation have opposite signs, then the quadratic equation has real roots.

03/05/18

QUADRATIC EQUATIONS

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- If the coefficient of x^2 and the constant term have the same sign and if the coefficient of x term is zero, then the quadratic equation has no real roots.
- A quadratic equation with integral coefficient has integral roots. Justify your answer.
 - Does there exist a quadratic equation whose coefficients are rational but both of its roots are irrational? Justify your answer.
 - Does there exist a quadratic equation whose coefficients are all distinct irrationals but both the roots are rationals? Why?
 - Is 0.2 a root of the equation $x^2 - 0.4 = 0$? Justify.
 - If $b = 0, c < 0$, is it true that the roots of $x^2 + bx + c = 0$ are numerically equal and opposite in sign? Justify.

EXERCISE 4.3

1. Find the roots of the quadratic equations by using the quadratic formula in each of the following:

(i) $2x^2 - 3x - 5 = 0$

(ii) $5x^2 + 13x + 8 = 0$

(iii) $-3x^2 + 5x + 12 = 0$

(iv) $-x^2 + 7x - 10 = 0$

(v) $x^2 + 2\sqrt{2}x - 6 = 0$

(vi) $x^2 - 3\sqrt{5}x + 10 = 0$

(vii) $\frac{1}{2}x^2 - \sqrt{11}x + 1 = 0$

2. Find the roots of the following quadratic equations by the factorisation method:

(i) $2x^2 + \frac{5}{3}x - 2 = 0$

(ii) $\frac{2}{5}x^2 - x - \frac{3}{5} = 0$

(iii) $3\sqrt{2}x^2 - 5x - \sqrt{2} = 0$

(iv) $3x^2 + 5\sqrt{5}x - 10 = 0$

(v) $21x^2 - 2x + \frac{1}{21} = 0$

2. Activities / Project

40

1. Create a real life situation (statement problem) from relation between your age and age of any one family member. Derive quadratic equation from it and solve equation to find your age.

2. Write articles on any two mathematicians mentioned in your book after finding relevant information about them through internet.

3. **Tests** - There shall be two tests from prescribed syllabus, schedule of which will be informed later. Tests shall be taken online through Google forums or WhatsApp.

20

NOTE:-

1. Activity and project should be completed by staying at home, no need to go outside any where. You should use only those things and equipment's that are usually found at your homes.

Gurlabh Singh

8699660448

SGJ DAV Senior Secondary Public School, Haripura

Holiday Homework

Class: 10th

Session: 2020-21

Subject: Science

The whole work is divided into following parts:-

- | | |
|--|----------|
| 1. Written work(Assignments or worksheet) | 40 marks |
| 2. Activities and projects | 40 marks |
| 3. Objective type test | 20 marks |

Activities and projects should be completed by staying at home, no need to go outside anywhere. You should use only those things and equipment's that are usually found at your homes.

(For example if you don't have colors then you can use only your pen or pencil, no need to go outside, stay at your home, stay safe)

1. Students have to write the answers of following question in their note books. (40 marks)

Chapter-1 Chemical Reaction and Equations (Each question carry two marks)

1.	Write the chemical equation for reactions that take place when lead nitrate and potassium iodide solutions are mixed.
2.	Ferrous sulphate decomposes with the evolution of a gas having a characteristic odour of burning sulphur. Write the chemical reaction involved and identify the type of reaction.
3.	A substance X, which is an oxide of a group 2 element, is used intensively in the cement industry. This element is present in bones also. On treatment with water it forms a solution which turns red litmus blue. Identify X and also write the chemical reactions involved.
4.	A magnesium ribbon is burnt in oxygen to give a white compound X accompanied by emission of light. If the burning ribbon is now placed in an atmosphere of nitrogen, it continues to burn and forms a compound Y. (a) Write the chemical formulae of X and Y. (b) Write a balanced chemical equation, when X is dissolved in water.
5.	Why is respiration considered an exothermic reaction? Explain.
6.	What is a balanced chemical equation? Why should chemical equations be balanced?
7.	Oil and fat containing food items are flushed with nitrogen. Why?
8.	Why are decomposition reactions called the opposite of combination reactions?
9.	A water insoluble substance 'X' on reacting with dilute H ₂ SO ₄ released a colourless and odourless gas accompanied by brisk effervescence. When the gas was passed through water, the solution obtained turned blue litmus red. On bubbling the gas through lime water, it initially became milky and the milky appearance disappeared when the gas was passed in excess. Identify the substance 'X' and write the chemical equations of the reaction involved.
10.	If you collect silver coins and copper coins. After some day a black coating on silver coins and a green coating on copper coins. Which chemical phenomenon is responsible for these coatings? Write the chemical name of black and green coatings.

Chapter-6 Life Processes

Each question carry 5 marks

1. Draw a labeled diagram of human alimentary canal and explain the functions of
(a) Salivary glands (b) Stomach (c) Liver
(d) Small intestine (e) Large intestine

2. Draw a labeled diagram of human respiratory system and write the different ways by which glucose is oxidized to provide energy in various organisms.
3. Draw a labeled diagram of human respiratory system and differentiate between arteries and veins.
4. Draw a labeled diagram of nephron and human excretory system.

2. Two activities and two projects are given below, you have to write down your observation, record, calculations, in your note books. (40 marks)

Activities-

1. **Aim:** To show that plants lose water through their leaves during transpiration.

Procedure:

Take a medium-sized well-watered plant. Cover the plant with a transparent polythene bag completely and tie its mouth around the base of the stem. Take a similar empty polythene bag and tie its mouth. This polythene bag will act as the control for the experiment. Keep the plant as well as the empty polythene bag in the sunlight for 1–2 hours.

Observation: ?

Inference: ?

Write your observation and inference in note book. Send me pics also.

2. **Yoga (Pranayam) and the health of your respiratory System-** Nowadays yoga is very essential for keeping your body fit. Collect information about some basic yoga and Pranayam practices and do the practice daily at your home. It will improve your respiratory system. Also collect information about the benefits of these practices in note book.

Projects-

1. As you know that we all are fighting with covid- 19 virus. In this time there is a need of Strengthen your immunity so that you can prevent from COVID-19 . Make a list of those nutrients that you have to taken in your diet to protect from covid 19. Explain at least 10 food items that strengthen your immunity and you should also take them daily.

2- Excretory/ Digestive/ Respiratory/ Transportation System Model

In this project, students make a model of the any above mentioned system that includes the kidneys, bladder, ureters and urethra, as well as the arteries and veins that bring blood to the kidneys for cleaning, Alimentary Canal and digestive glands, Heart and Blood Vessels, Lungs .The model can be three-dimensional, or it can be drawn and pasted onto a cardboard sheet.

IMPORTANT INSTRUCTION- Extra points will be given to those students who can make their models out of recyclable materials. For example, a balloon can be used to represent the bladder and kidneys can be modeled from a basic dough that is colored with food dyes.

3. Objective type test (20 marks)

Test will be from above mentioned 2 chapters. And test will be given you later in your whatsapp groups or Google docs.

For any query you can contact:-Ms. PreetiBishnoi(7508244624)

SGJ DAV Senior Secondary Public School, Haripur

Holiday Homework

Class: 10th

Session: 2020-21

Subject: Social Science

- Do the following questions on your notebook in the form of points.
- Chapter 1(Geography):- Resources and Development
- Chapter 4(Geography):- Agriculture
- Chapter 6(Geography):- Manufacturing Industries
- The homework is divided into three sections Section A – Assignment (35 Marks)
Section B – Project Work (35 Marks) Section C – Test (15+15=30 Marks)

Assignment

35 marks

1. Give any two factors which determine the land use pattern of a nation. 1
2. What is strip cropping? 1
3. Name the nutrients which are found in black soils? 1
4. How the Geologists define Minerals? 1
5. Name any two minerals are found in veins and lodes. 1
6. Give one reason in the favor of use of Atomic energy. 1
7. What are agglomeration economies? 1
8. What is heavy scale Industries? 1
9. Differentiate in three points between metallic and non-metallic minerals? 3
10. Describe any three points of importance of minerals in our daily life. 3
11. What is plantation farming? What are its main characteristics? 3
12. What is the importance of the manufacturing industries write in three points? 3
13. Explain why agriculture of India is become a backbone of Indian economy. 5
14. Differentiate in five points between conventional sources of energy and Non- conventional sources of energy? 5
15. What ideas justify that agriculture and industry are not exclusive of each other? 5

Project

35 marks

Social Issues

1. The students must prepare PPT (any one) on following key matter: 15
 - a. Social issues in Indian Society
 - b. Reforms initiated to combat the social issues
 - c. Role of Popular leaders and movements.
2. The students must write about following key matter 10
 - a. Sustainable Development
 - b. Need of development.
 - c. Importance of development
3. .Role of WHO in today scenario 10

Weekly Test

Two tests will be from above mentioned chapters

1. Resources and Development-- 15 marks
2. Agriculture 15 marks Test will be through Google form.

Jasbir Singh
9814265365