

Instructions:

Dear Students,

We are sending you Homework. You have to solve this work in your notebook in a neat and clean way. You have to submit this work after the opening of school to your Subject Teacher.

Subject - English

Q.1 'Three Questions' focuses on the importance of making good decisions. How do the actions of the king in this story show the value of wisdom and attention? (3Marks)

Ans. In this story, the king learns that wisdom lies in valuing the present and helping others. He helped the bearded man who got injuries in his stomach. His life was saved by the king. He strives to find answers of his questions to become wiser and more thoughtful. In the end the king learns to live thoughtfully.

Q.2 Swami tried to avoid going to school late by describing Samuel as violent. Analyse how his father's unexpected response challenges Swami's expectations. (3Marks)

Ans- Swami expected his father to exempt him from going to school. Instead, his father insisted him to attend school late as a challenge. This unexpected response shows his father's firm and courageous approach to parenting.

Q.3 What does the narrator's anxiety while waiting for the asparagus to be cooked reveal about his emotional state and concerns during the meal? (3Marks)

Ans. The narrator's anxiety while waiting for the asparagus to be cooked reveals his unease about the tight situation. He is worried about not having enough money to pay for the expensive dishes ordered.

His emotional state reflects his concern and uncertainty about the financial implications of the meal.

Q.4 Grandparents are always very dear to grandchildren. What all do you do to spend quality time with your grandparents? (3Marks)

Ans- Grandparents are always very dear to grandchildren. To spend quality time with them I will do such activities like knitting, cooking, watching news, planting trees and going for walk with them.

विषय - हिंदी

प्रश्न 1. देर से आने वाले छात्र तथा अध्यापक के बीच संवाद लिखो। (5 अंक)

छात्र - श्रीमान् जी, क्या मैं अन्दर आ सकता हूँ ?

अध्यापक -आओ, मोहन, तुम आज देर से आए हो, तुम्हारे देर से आने के कारण कक्षा के कार्य में बाधा पड़ती है।

क्या तुम यह भी नहीं जानते कि देर से आने वाला विद्यार्थी अपनी पढ़ाई में पिछड़ जाता है ?

छात्र- मैं जानता हूँ और देर से आने के लिए लज्जित भी हूँ।

अध्यापक- फिर तुम देर से क्यों आए हो ?

छात्र- मैं स्कूल को आ रहा था कि रास्ते में मुझे एक पुराना मित्र मिल गया।

अध्यापक- फिर क्या हुआ ?

छात्र - उसने मुझे कुछ समय के लिए बातों में लगाये रखा।

अध्यापक- तुम्हें अपने मित्र से कह देना चाहिए था कि मुझे स्कूल से देर हो रही है बातें फिर करेंगे कभी घर

आकर शिष्टाचार वश ऐसा न कह सका। आगे से मैं समय की पाबन्दी का बहुत ध्यान रखूँगा।

अध्यापक -ठीक है, बैठ जाइए हाँ, तुमने घर का काम तो किया होगा ?

छात्र-जी हाँ।

अध्यापक -तो लाइए।

छात्र -लीजिए (अपनी कापी दिखलाता है)।

प्रश्न 2. 'इंटरनेट की दुनिया' विषय पर 120 शब्दों में अनुच्छेद लिखो। (5 अंक)

संकेत बिंदु -

- इंटरनेट की आवश्यकता
- विभिन्न जानकारी का स्रोत

- ਕਰਦਾਨ ਭੀ ਅਭਿਯਾਨ ਭੀ

ਵਿਸ਼ਾ ਪੰਜਾਬੀ

(ਬਹੁ ਅਰਥਕ ਸ਼ਬਦ) ਕੁੱਲ ਅੰਕ(12)

1. ਉੱਤਰ:- ਦਿਸ਼ਾ, ਜਵਾਬ
2. ਉਲਟੀ:- ਪੁੱਠੀ, ਕੈਅ
3. ਆਨਾ:- ਡੇਲਾ, ਸਿੱਕਾ
4. ਸਤ:- ਖਟਾਸ, ਜਾਨ
5. ਸਰ:- ਸਰੋਵਰ, ਤਾਸ਼ ਦੀ ਬਾਜ਼ੀ
6. ਹਾਰ:- ਅਸਫਲ, ਅਖੀਰ
7. ਕਾਲ :-ਸਮਾਂ ,ਕਮੀ
8. ਖੱਟੀ :-ਕਮਾਈ, ਖਟਾਸ
9. ਗੋਲਾ:- ਗੋਲ ਆਕਾਰ, ਬਰਫ਼ ਦਾ ਗੋਲਾ
10. ਡੰਡੀ:-ਛੋਟਾ ਰਾਹ, ਫੁੱਲ ਦੀ ਟਾਹਣੀ
11. ਡੋਲ :-ਭਾਂਡਾ, ਘਬਰਾਉਣਾ
12. ਫੁੱਲ :-ਫੁੱਲਣਾ, ਖੁਸ਼ ਹੋਣਾ

Subject - Mathematics

Q1. Divide $(t^2 + 6t + 8)$ by $(t + 2)$ using factorization method. (2marks)

Hint: Firstly, find the factors of dividend and then divide

Factorisation: $(t+4)(t+2)$

Q2. Divide $(x^2 - x - 42)$ by $(p + 6)$ using factorization method. (2marks)

Q3. What least number must be **subtracted** from **6217** to make it a perfect square? Find the perfect square and its square root. (3 marks)

Hint: Find the square root by long division and find remainder. Remainder is subtracted number.

Answer: Subtract **133** \rightarrow perfect square **6084**, $\sqrt{6084} = 78$.

Q4. What least number must be **added** to **3719** to make it a perfect square? Find the perfect square and its square root. (3marks)

Answer: Add **2** \rightarrow perfect square **3721**, $\sqrt{3721} = 61$.

Q5. The principal of a school wants to expand the playground. The length of the playground is $(m+n)$ meters and the breadth is $(m-n)$ meters.

- (i) Write the identity used for finding the area (1mark)
- (ii) If $m=20$, $n=6$, find the area using the identity. (1mark)

- (iii) The cost of leveling the ground is Rs 15 per square meter. Find the total cost. (2 marks)
- (iv) If another rectangular ground has length $(p+5)$ and breadth $(p+3)$. Expand its area using identity

Subject - Science

1. Give reasons for the following. (5 Marks)

(a) Yeast is added to the batter used to make 'dosas'.

Answer: Yeast is added to the batter so that fermentation takes place. It causes it to increase in volume and makes it fluffy and soft.

(b) It is important to brush one's teeth before going to bed.

Answer: It is important to brush one's teeth before going to bed because bacteria can grow on food particles that get lodged in between our teeth. Acid produced by these bacteria, corrode the tooth enamel and cause cavities. Hence it is important to brush one's teeth before going to bed.

(c) Reducing the quantity of salt in pickle can cause it to go bad soon.

Answer: Salt reduces the water content of pickle and makes it unavailable for the growth of microorganisms. As a result, pickle gets preserved. If the quantity of salt is reduced then it increases the growth of microorganisms and can go bad soon.

(d) Foods, from puffed or enlarged cans, should not be consumed.

Answer: Enlarged or puffed can represent that there had been some bacterial action on the item which might lead to formation of toxic substance.

(e) When using frozen food items, one should take out only the required quantities; thawed food should never be refrozen.

Answer: One should take out only required quantity of frozen food as it might spoil the rest of food item and refreezing the frozen item destroys its nutrients.

2. If friction is removed completely, what difficulties would we face in daily life? (3 Marks)

Answer: We will not be able to walk, as our feet will slip on the ground.

Vehicles cannot move on roads since tyres would slip continuously.

Writing with a pen or pencil will not be possible.

Nails, screws, and knots cannot hold objects.

We will not be able to stop moving objects easily.

Thus, life would become extremely difficult without friction. (any three points)

3. Why are wheels provided in heavy luggage trolleys? (3 Marks)

Answer: Wheels reduce sliding friction and change it into rolling friction.

Rolling friction is much smaller than sliding friction.

Therefore, less force is required to move the trolley, making it easier to carry heavy luggage.

Subject - Social Science

1. Why is there drastic depletion and degradation of natural resources in recent years? Explain any two reasons as a student how you can contribute to avoid the situation. 5 marks

- A. . Distribution of resources across the world is highly uneven.
- . Rapid population growth has resulted in over utilisation of the natural resources.
- . * As a student I can contribute in the following ways-
- . Avoiding the wastage of paper, water, electricity etc.

Doing car pooling

- . By planting more and more trees.
- . Creating awareness through various competitions like debate, poster making etc.
- . By discussing the issues with classmates.

2. Define hydrological cycle. Explain the distribution of freshwater resources on the earth. 5 Marks

- A. . The rain water continuously get recycled in nature through evaporation.
- . Condensation and precipitation which is known as hydrological cycle.

*3% fresh water is distributed in the following manner:

- . 0.32% is available in lakes, rivers atmospheric and soil moisture etc
- . 2.0 is in the form of ice caps and glaciers.
- . 0.68% is available as ground water.

3. What is land use pattern? Why the percentage of land used for various purposes varies from one region to another? 5 Marks

- A. . * Land is used for various purposes

such as for cultivation of crops

building of houses, roads, railways, grazing of animals etc. This is commonly known as land use pattern.

* The utilisation of land is determined by the continuous interplay of the physical factors such as soil, climate conditions, mineral resources etc.

* Human factors like density of population and the technological and social requirement of the people.

4. What is the normal term of Lok Sabha? Under what circumstances this tenure can change? 3 marks

- A. . The normal term of Lok Sabha is five years.

. That tenure can change if the President of India dissolves it on the recommendations of the Prime Minister.

. The term can also be extended for a period of one year at a time if such a bill is passed by the parliament to meet the emergency situation.