SGJ DAV SEN. SEC. PUBLIC SCHOOL, HARIPURA
Class – 9th (Assignment)
Date – 30.08.2025

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

Complete the dialogue given below. Write your answers against the correct blank numbers.

Rajnish: I want to go to Gurgaon. Would you tell me (a) _____?

Govind: You should go by Metro (b) _____.

Rajnish: I do not know (c) _____.

Govind: Take a (d) _____.

Rajnish: I am so (e) _____.

2. Neha's neighbours are very quarrelsome, Many-a-times, the loud voices coming from their house disturb her. Prepare a dialogue between Neha and Rajni where she discusses her problem.

3. Complete the dialogue given below. Write your answers against the correct blank numbers.

Interviewer: Mr. Rohit, (a) _____

Rohit: Yes, I am working at Airtel, Delhi.

Interviewer: Then why (b) _____

Rohit: I feel I am paid less.

Interviewer: Well, (c) _____ Rohit: I am getting an annual package of ₹ 2 lakhs, sir.

Interviewer: (d) _____. Rohit: I expect to get at least ₹4 lakhs here, please. Interviewer: I am afraid (e) ___

4. Write a dialogue between a grocer and a customer. The opening lines have been given below for your help.

Grocer : Good morning. How can I help you?

Customer : Morning. Well, I need some Provisions for home.

5. Rajnish, a thirteen year old Kendriya Vidyalaya student, was awarded the Best Musician Award. He was interviewed by Govind. Write their conversation in the form of a dialogue.

Subject- Hindi

प्रश्न 1. एक पुस्तक विक्रेता और रजनीश नाम के लड़के की बातचीत को संवाद के रूप में लिखें। (4 अंक)

उत्तर. रजनीश- नमस्ते अंकल जी, क्या आपके पास शब्दकोश है?

पुस्तक विक्रेता-जी हां, आपको कौन सा शब्दकोश चाहिए? हिंदी- अंग्रेजी या अंग्रेजी- हिंदी?

रजनीश-हिंदी- अंग्रेजी दिखाना।

पुस्तक विक्रेता-पॉकेट साइज़ चाहिए या बड़े आकार का?

रजनीश-बड़े आकार का, जिसमें अधिक से अधिक शब्द हों।

पुस्तक विक्रेता-हां एक नया शब्दकोश कल ही आया है। डेढ़ लाख शब्द हैं इसमें।

रजनीश-दिखाओ तो ज़रा।

पुस्तक विक्रेता-(शब्दकोश दिखाते हुए) इसका कवर भी बहुत सुंदर है और छपाई भी आकर्षक है।

रजनीश-महंगा भी उतना ही होगा।

पुस्तक विक्रेता-नहीं, बहुत महंगा नहीं है।

रजनीश-क्या कीमत है इसकी?

पुस्तक विक्रेता-450 का है।

रजनीश-ठीक है। मैं कल आकर ले जाऊंगा आज मैं पैसे थोड़े काम लाया हूं।

पुस्तक विक्रेता-ठीक है।

प्रश्न 2.अपने नगर के सीवर की मरम्मत के लिए अनुरोध करते हुए नगर निगम अधिकारी को एक मेल लिखिए।(4 अंक)

उत्तर- From -------

To----------

विषय: सीवर मरम्मत के लिए अनुरोध।

श्रीमान जी,

निवेदन है कि नेहरू नगर का सीवर टूट गया है जिसके कारण नाले का गंदा पानी सड़क पर आ गया है। सड़क पर गंदा पानी आने के कारण बहुत गंदगी फैल गई है। आपसे अनुरोध है कि कृपया इस नाले की मरम्मत करवाएं।मुझे आशा है कि आप इस मरम्मत के कार्य को जल्द से जल्द पूरा करवाएंगे।

नाम ___.

Subject -Punjabi

ਕੁੱਲ ਅੰਕ:- 7

ਪੱਕੀ ਕਾਪੀ ਉੱਤੇ ਸੁੰਦਰ ਲਿਖਾਈ ਵਿੱਚ ਲਿਖੋ ।

ਤੁਸੀਂ ਹੋਸਟਲ ਵਿੱਚ ਰਹਿੰਦੇ ਹੋ ਅਤੇ ਤੁਹਾਡੇ ਮਿੱਤਰ ਨੇ ਤੁਹਾਨੂੰ ਆਪਣੇ ਭੈਣ ਦੇ ਵਿਆਹ ਵਿੱਚ ਤੁਹਾਨੂੰ ਸੱਦਿਆ ਹੈ। ਆਪਣੇ ਮਾਤਾ- ਪਿਤਾ ਨੂੰ ਵਿਆਹ ਵਿੱਚ ਜਾਣ ਦੀ ਆਗਿਆ ਲੈਣ ਲਈ ਪੱਤਰ ਲਿਖੋ।

ਨੁਕਤੇ: ਨੁਕਤੇ:-ਵਿਆਹ ਸਲਾਨਾ ਪੇਪਰਾਂ ਤੋਂ ਬਾਅਦ, ਹੋਰ ਦੋਸਤਾਂ ਨੂੰ ਵੀ ਸੱਦਾ, ਪੜ੍ਹਾਈ ਦਾ ਕੋਈ ਨੁਕਸਾਨ ਨਹੀਂ ਹੋਵੇਗਾ, ਆਗਿਆ ਮਿਲਣ ਦੀ ਉਮੀਦ।

Subject: Mathematics

Q1. Find five rational numbers between 8 and 9. (2 marks)

Solution: Denominator=5+1=6

$$\frac{8 \times 6}{1 \times 6} = \frac{48}{6} \qquad \frac{9 \times 6}{1 \times 6} = \frac{54}{6}$$

The five rational numbers between 8 and 9 are $\frac{49}{6}, \frac{50}{6}, \frac{51}{6}, \frac{52}{6}, \frac{53}{6}$.
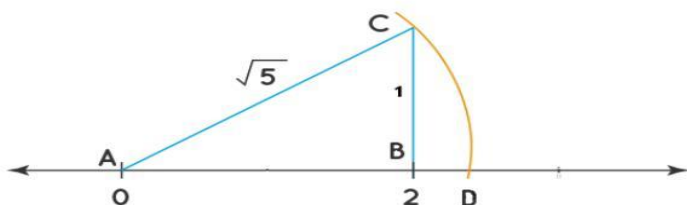
Q2. Find five rational numbers between 7 and 8. (2 marks)

Q3. Show how $\sqrt{5}$ can be represented on the number line. (3 marks)

Solution: OC²=CB²+OB²

OC²=1²+2²

OC²=5

OC=√5 units

Q4. Show how $\sqrt{3}$ can be represented on the number line. (3 marks)

Q5. Base of an isosceles triangle is $\frac{3}{2}$ times each of the equal sides. If it's perimeter is 28 cm, find the area and height of the triangle. (5 marks)

Solution: Let each equal sides of an isosceles triangle be x cm, then according to question,

Base of an isosceles triangle $=\frac{3}{2}$x

Perimeter of triangle=28 cm

$x + x + \frac{3}{2}x = 28$

$7x=28\times2$

$x=8$ cm

Equal sides are 8cm and 8 cm

Base =12 cm

$s=\frac{a+b+c}{2}=\frac{28}{2}=14$cm

Area of a triangle =$\sqrt{s(s-a)(s-b)(s-c)}$

$\qquad\qquad$ =$12\sqrt{7}$cm^2

Area of a triangle=$\frac{1}{2}\times$ base $\times$ height

$\quad 12\sqrt{7}$ =$\frac{1}{2}\times12\times$ height

Height=$2\sqrt{7}$ cm.

Q6. Base of an isosceles triangle is 5 times each of the equal sides. If it's perimeter is 28 cm, find the area and height of the triangle. (5 marks)

Subject-Science

Q1. Carry out the following osmosis experiment: Take four peeled potato halves and scoops each one out to make potato cups. One of these potato cups should be made from a boiled potato. Put each potato cup in a trough containing water. Now, (a) Keep cup A empty (b) Put one teaspoon sugar in cup B (c) Put one teaspoon salt in cup C (d) Put one teaspoon sugar in the boiled potato cup D. Keep these for two hours. Then observe the four potato cups and answer the following: (i) Explain why water gathers in the hollowed portion of B and C. (ii) Why is potato A necessary for this experiment? (iii) Explain why water does not gather in the hollowed out portions of A and D. (3 Marks)

Ans. i) When we put one teaspoon sugar in cup B and one teaspoon salt in cup C, the hypertonic solution is formed inside so through osmosis water from outside enters inside and collects in the hollowed portion of cups B & C. ii) Potato A is necessary to observe osmosis. iii) In hollowed out portion of A & D there is no solution (liquid medium) present therefore osmosis cannot take place and as a result water does not gather.

Q2.How does cardiac muscle differ from both voluntary and involuntary muscles in both structure and function? (3 Marks)

Ans- 1) Cardiac Muscles are involuntary 2) They are composed of branching network of fibres. 3) The fibres have centrally located one or two nuclei 4) Intercalated discs are present at intervals in the fibres. 5) They function throughout the life

Q3. Give reasons for –
 (a) intercellular spaces are absent in scleranchymatons tissues. (b) Meristematic cells have a prominent muscles and dense cytoplaom but they lack muscles (c) We get crunchy and granular feeling, when we chew pear fruit. (3 Marks)

Ans- a) Sclerenchyma has thick lignified walls. Hence, intercellular spaces are absent. b) Meristematic cells have continuously dividing cells. Cells of meristem are not differentiated. It continuously divides and form new cells which increase length and girth of the plant body. c) due to presence of stone cells or grit cells, known as sclereids.

Q4. Describe different types of meristems. (3 Marks)

Ans. Based on their location in the plant body, meristems are of three types. a) Apical meristems – Occurs at the tips of roots and shoots and brings about an increase in length of the plant b) Lateral meristems – It occurs on the sides almost parallel to the long axis of the root, stem and its branches. Brings about an increase in the width or girth of the organs. c) Intercalary meristems – It occurs at the base of the internodes in monocots. It brings about increase in the length of the internode.

Subject- Social Science

Instructions: Write these questions on your notebook.

Answer the following questions in 150-180 words.

You have to submit this work after the opening of school to your subject teacher.

1. Describe the very important document called constitution. Explain the role of constitution in a country?
2. "Indian constitution faced so many difficult circumstances to frame it." Explain the statement with the help of five points.
3. Explain the terms Sovereign, Socialist, Secular, Democratic and Republic.
4. Locate/label/identify the major countries of First World War on the political map of World.
Central Powers: Germany, Austria-Hungary, Turkey (Ottoman Empire).
Allied Powers – France, England, Russia and USA.