



SHRI GURU NANAK H/S PUBLIC SCHOOL, RUDRAPUR

WINTER HOLIDAYS HOMEWORK 2024-25

CLASS – VIII SEC. _____

NAME - _____

ENGLISH

Q.1 Your E- rickshaw (tuk-tuk) most often carries students more than its limit and flouts traffic rules with imprudence .Write a letter to editor of a local newspaper to request the concerned authorities to take note of the situation and do the needful at the earliest. You are Nitin/ Nalini of 132, Anand , Gujarat.

Q.2 You have enjoyed a family function. Write a diary and express your experience about it.

Q.3 Write an application to your school Principal to allow you to change your section due to some reason.

Q 5 Learn and write common 50 verbs and their all three forms.

Q.6 Make a file of A-4 size sheets and write all the tenses, rules and two examples of each in affirmative, interrogative, negative and passive form.

Example - Simple Present Tense

Subj+Verb1+Obj

Example 1. My mother loves me.

2 He doesn't drive his father's car.

3. Do you draw the cartoons?

4 She bakes the cake.

Passive - sub+ is/am/are+ V3+ Obj

Passive- The cake is baked by her.

हिंदी

1. 'क्वांटम कम्प्यूटिंग' तकनीक पारंपरिक कम्प्यूटर से अलग है। विषय पर अनुच्छेद लेखन कीजिए।
2. 'चैट जीपीटी, एक महत्वपूर्ण तकनीकी विकास' विषय पर अनुच्छेद लेखन कीजिए ।
3. आपके मामा जो अमेरिका से उत्तराखण्ड भ्रमण के लिए आए हैं। आप उत्तराखंड की विशेषताएं बताते हुए उनके साथ संवाद लेखन कीजिए।
4. "मजहब नहीं सिखाता आसपास में बैर रखना" इस विषय पर दो मित्रों के बीच हुए संवाद लिखिए।
5. अनेकार्थी शब्द 42 से 72 (व्याकरण पुस्तक से)
6. श्रुतिसमभिन्नार्थक शब्द 1 से 50 तक लिखिए।
7. मुहावरे 41 से 70 तक लिखिए।

निर्देश - उल्लिखित गृहकार्य हिंदी व्याकरण की अभ्यास पुस्तिका में लिखिए और कंठस्थ करें। (याद करें)

MATHS

1. Using appropriate identity solve the following expressions:

a) $(2x + 7y)^2$

b) $(1.3m - 0.4)(1.3m + 0.4)$

c) $(xyz - 2)(xyz - 7)$

d) $(y^2 - 4)(y^2 - 3)$

e) $(x^2 + y^2)(-x^2 + y^2)$

f) $\left(\frac{5}{2}m - \frac{2}{5}n\right)^2$

2. Evaluate the following using suitable identities:

a) 994×1006

b) 34×36

c) $53^2 - 47^2$

d) $(1.01)^2 - (0.99)^2$

e) 6.1×6.3

f) $13.1^2 - 6.9^2$

3. The area of the base of a right circular cylinder is 616 cm^2 and its height is 25 cm . Find the volume of the cylinder.
4. Find the C.S.A of a right circular cylinder made from a rectangular sheet of dimension $154 \text{ cm} \times 20 \text{ cm}$ by rolling along its length.
5. Find the area of the four walls of a room whose length is 6m , breadth 5m and height 4m .
6. Find the value of the following:
 - a) $(2^{-1} \times 4^{-1}) \div 2^{-2}$
 - b) $(2^{-1} + 3^{-1})^{-2}$
 - c) $(2^2 + 3^2 - 4^2) \div \left(\frac{3}{2}\right)^2$
 - d) $\left(\left(\left(-\frac{1}{4}\right)^2\right)^{-2}\right)^{-1}$
 - e) $(3^2 - 2^2)^{-1} \div \left(\frac{2}{3}\right)^{-2}$
 - f) $\frac{(3^{-5} \times 10^{-5} \times 625)}{5^{-8} \times 6^{-5}}$
7. $\frac{x}{2} + \frac{x}{3} + \frac{x}{4} = 13$. Solve the equation and find the value of x .
8. $(x + 2)(x + 3) + (x - 3)(x - 2) - 2x(x + 1) = 0$. Solve the equation and find the value of x .
9. $\frac{(2x-1)}{3} - \frac{(6x-2)}{5} = \frac{1}{3}$. Solve the equation and find the value of x .
10. $\frac{6x+1}{2} + 1 = \frac{7x-3}{3}$. Solve for x .

SCIENCE

1. What are the laws of reflection of light?
2. An owl can see even in complete darkness but we cannot. Why?
3. Hen and frogs are both oviparous exhibiting different types of fertilisation. Explain.
4. Differentiate between sexual and asexual reproduction.
5. Observe the diagram carefully and answer the following questions:
 - a) Label (i), (ii) and (iii).
 - b) Where does the embryo get embedded?
 - c) What happens if the egg does not get fertilised in the oviduct?
6. The angle between incident ray and reflected ray is 60° . What is the value of angle of incidence?

Question No. 7 to 9 consist of two statements – Assertion (A) and Reason (R). Answer these questions selecting the appropriate option given below:

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

7. Assertion: Hydra reproduces by asexual reproduction.

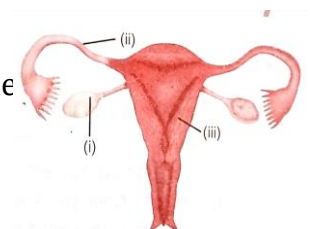
Reason: In asexual reproduction, only one parent is involved.

8. Assertion: The angle of incidence is equal to the angle of reflection.

Reason: Incident ray, reflected ray, and the normal at the point of incidence, all lie

9. Assertion: A glass prism splits the sunlight into seven colours.

Reason: Sunlight is made up of yellow colour.



10. Case based questions:

Sameer and Nitish are going to school. A van was moving very fast and everyone was giving space to it. Sameer feels surprised to see. He tries to read the word written on it. Nitish explains him that the word ambulance is written reverse in order to read clearly in mirrors of vehicles.

a) Which property of the mirror is used in this case?

b) Draw a ray diagram to show the reflection of light from a plane mirror. Label the following on the diagram:

i) incident ray

ii) reflected ray

iii) normal

iv) point of incidence

v) angle of incidence

vi) angle of reflection

SOCIAL SCIENCE

1. What was Birsa's vision of golden age? Why do you think such a vision appealed to the people of that region?

2. What were the reasons of the anger of tribals against the dikus?

3. On an outline map of India, mark the location of industries given:- Bokaro, Jamshedpur, Bhilai, Vishakhapatnam.

4. What do you think was the main cause of uprising against British rule in India?

5. On an outline map of the world, mark the countries in which Iron and steel industries are located U.S.A, China, Russia, Germany, Japan.

6. How did the company fight back to suppress the revolt of 1857?

7. Why is demand of jute decreasing in the domestic and international market?

8. Differentiate between the following crops on the basis of their cultivation process required type of soil and areas in which they are grown. –

a. Rice

b. Wheat

c. Maize

d. Cotton

e. Jute

9. What are the bad effects of population explosion on society? How does population pyramid help in understanding the population of a country?

10. Why do you think the introduction of public interest litigation in the 1980s is a significant step in ensuring access to justice for all?

11. **Copy the given source and answer the following questions.**

Given here are extracts from the book Majha Pravas, written by Vishnu Bhatt Godse, Brahman from a village in Maharashtra. He and his uncle had set out to attend a yajna being organised in Mathura. Vishnubhatt writes that they met some sepoys on the way who told them that they should not proceed on the journey because a massive upheaval was going to break out in three days. The sepoys said: the English were determined to wipe out the religions of the Hindus and the Muslims... they had made a list of eighty-four rules and announced these in a gathering of all big kings and princes in Calcutta. They said that the kings refused to accept these rules and warned the English of dire consequences and massive upheaval if these are implemented... that the kings all returned to their capitals in great anger... all the big people began making plans. A date was fixed for the war of religion and the secret plan had been circulated from the cantonment in Meerut by letters sent to different cantonments.

a. Who was Vishnubhatt Godse? Where was he going and for what purpose?

b. Whom did he meet on the way? What did they tell him?

c. What further information did they give to Vishnu Bhatt?

Note – Homework of all the subjects must be done in the respective subject notebook. It is mandatory to complete the holiday homework.