

HOLIDAY HOMEWORK

Class: VI

Subject: Mathematics

❖ **Write and remember table from 2 to 20**

SECTION A: PATTERNS IN MATHEMATICS

A. Answer the following questions.

1. Write the next three numbers in the pattern: 2, 4, 6, 8, __, __, __.
2. Find the next three terms: 1, 4, 9, 16, 25, __, __, __.
3. Write the first five multiples of 7.
4. Find the rule for the pattern: 5, 10, 15, 20, 25, ...
5. Write the next three terms: 1, 3, 6, 10, 15, __, __, __.
6. Write the first six odd natural numbers.
7. Find the missing numbers: 3, 6, __, 12, __, 18.
8. Write any five numbers that are multiples of both 2 and 3.

B. Activity

Draw or create any two interesting number patterns using dots, matchsticks, or shapes. Write the rule followed by each pattern.

SECTION B: LINES AND ANGLES

A. Answer the following questions.

1. Define a point, a line segment, and a ray.
2. What is an angle? Name its two arms and vertex.
3. Classify the following angles:
(a) 45° (b) 90° (c) 120° (d) 180° .
4. Draw and label an acute angle, a right angle, and an obtuse angle.
5. What is the difference between a line and a line segment?
6. Draw two intersecting lines and mark their point of intersection.
7. Draw a pair of parallel lines and a pair of perpendicular lines.
8. Identify the type of angle formed by the hands of a clock at 3 o'clock.

B. Activity

Observe your classroom or home and draw five objects that show different types of lines or angles. Label each figure appropriately.

SECTION C: FRACTIONS

A. Answer the following questions.

1. Write the numerator and denominator of the fraction $\frac{5}{8}$.
2. Write three equivalent fractions of $\frac{1}{2}$.
3. Reduce $\frac{12}{18}$ to its simplest form.
4. Compare the fractions using $>$, $<$, or $=$:
(a) $\frac{3}{5}$ __ $\frac{4}{5}$
(b) $\frac{2}{7}$ __ $\frac{2}{9}$
(c) $\frac{1}{2}$ __ $\frac{3}{6}$.
5. Arrange the following fractions in ascending order: $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$.
6. Add: $\frac{2}{7} + \frac{3}{7}$.
7. Subtract: $\frac{6}{9} - \frac{2}{9}$.
8. Add: $\frac{1}{2} + \frac{1}{4}$.

HOLIDAY HOMEWORK

Class: VI

Subject: Science

1. The SI unit commonly used for measuring length is _____.
2. A magnet has two poles called the _____ pole and the _____ pole.
3. The ability of a material to allow light to pass through it is called _____.
4. Iron deficiency causes _____ disease.
5. The position of an object is described with respect to a _____ point.
6. What are deficiency diseases? Name the disease caused by the lack of Vitamin D.
7. Why is roughage (dietary fibre) important in our diet even though it does not provide any nutrients?
8. State two differences between transparent and opaque materials. Give one example of each.
9. Why is there a need to group materials? Give two practical reasons.
10. Define the term 'winnowing'. In what type of mixtures is this method of separation preferred?
11. What is the purpose of sieving? Give one example from daily life where sieving is used.
12. What is meant by leaf venation? Name the two main types of venation found in leaves.
13. State two primary functions of a leaf in a plant.
14. Describe a simple chemical test you can perform to detect the presence of starch in a given raw food sample.
15. Explain the concept of a balanced diet. Why does a growing child require more protein in their diet compared to an adult?
16. Define solubility. Differentiate between soluble and insoluble solid substances in water, providing two examples of each.
17. Classify the following six objects based on whether they will float or sink in water: a dry leaf, an iron nail, a piece of wood, a metal coin, an empty sealed plastic bottle, and a small stone.
18. Explain the processes of evaporation and condensation. How are these two processes used together to obtain pure water from salt water?
19. You are given a mixture of sand, water, and mustard oil. Explain the step-by-step methods you will use to separate all three components.
20. Name the four main parts of a flower. Briefly describe the function of the petals and sepals.
21. Explain the relationship between the type of root a plant has and its leaf venation. Give one example of each combination (Taproot/Fibrous root).
22. Briefly explain how muscles work in pairs to move a bone. Use the movement of the human arm (biceps and triceps) as an example.
23. Describe the structure and movement of a snail. Mention the specific role of its muscular foot and the outer shell.
24. A group of students goes on a nature walk. They observe trees, birds, insects, stones, water, soil and different objects made of plastic, glass and metal. They also observe a cyclist moving along the road.
 - (a) Mention two characteristics that help us identify something as living.
 - (b) Name one material that is transparent and one that is opaque.
 - (c) How can the students determine whether the cyclist is in motion?
 - (d) Classify them as Living & Non-living things?
25. Collect Different kind of leaf you see in your surrounding

HOLIDAY HOMEWORK

Class: VI

Subject: English

Grammar

1. Identify the nouns in the following sentences:

- a. Riya is reading a book.
- b. The children are playing in the garden.

2. What is a pronoun? Give examples.

3. Give five examples of adjectives.

Writing Skill

4. Write a paragraph on “The Importance of Discipline.”

Literature

5. Choose your favourite poem from ‘Poorvi’ and write:

- Name of the poem
- Name of the poet
- Central idea
- What you liked most about the poem

HOLIDAY HOMEWORK

Class: VI

Subject: SST

1. Write five ways in which family members and community helpers contribute to our daily lives.
2. Prepare a chart showing five different occupations and write one sentence about the importance of each occupation.
3. Write a short paragraph on “Respect All Types of Work” in about 100 words.
4. Draw or paste a world map and label all seven continents and five oceans.
5. Prepare a table listing the seven continents and five oceans, mentioning one important fact about each.

Instructions: Complete all five activities neatly and submit them after the autumn break.

HOLIDAY HOMEWORK

Class: VI Subject: Hindi

खंड-A : मल्हार पाठ्यपुस्तक

1. **पाठ-पठन** – मल्हार पुस्तक में कक्षा में पढ़ाए गए सभी पाठों/कविताओं को ध्यानपूर्वक पढ़िए। प्रत्येक पाठ के कठिन शब्द छाँटकर उनके अर्थ लिखिए।
2. **पाठ-आधारित कार्य** – पुस्तक में पढ़ाए गए किसी भी 5 गद्य-पाठों में से प्रत्येक के (क) लेखक/रचनाकार का नाम, (ख) मुख्य पात्र/मुख्य विषय, (ग) पाठ से मिली सीख—लिखिए। जहाँ लेखक का नाम न दिया हो, वहाँ “पाठ्यपुस्तक के अनुसार” लिखें।
3. **कविता-अभ्यास** – पढ़ाई गई किसी भी 2 कविताओं की 8-10 पंक्तियाँ सुंदर लिखावट में लिखिए। कविता का केंद्रीय भाव 5-6 वाक्यों में लिखिए।
4. **प्रश्नोत्तर** – मल्हार के पढ़ाए गए किन्हीं 3 पाठों से 5-5 महत्वपूर्ण प्रश्न बनाकर उनके उत्तर लिखिए। उत्तर पूरे वाक्यों में लिखें।
5. **शब्द-संग्रह** – मल्हार के पाठों से 20 नए/कठिन शब्द चुनिए और उनके अर्थ लिखकर प्रत्येक में से 5 शब्दों के वाक्य बनाइए।
6. **चरित्र/विचार लेखन** – किसी एक पाठ के ऐसे पात्र या विचार के बारे में 80-100 शब्द लिखिए जिससे आपको प्रेरणा मिली।

खंड-B : हिंदी व्याकरण

1. भाषा, लिपि और व्याकरण की परिभाषा उदाहरण सहित लिखिए। हिंदी वर्णमाला में स्वर और व्यंजन अलग-अलग लिखिए।
2. संज्ञा की परिभाषा लिखिए तथा उसके प्रमुख भेदों के 3-3 उदाहरण दीजिए।
3. सर्वनाम की परिभाषा लिखिए। 10 वाक्यों में सर्वनाम शब्द रेखांकित कीजिए।
4. विशेषण की परिभाषा लिखिए और 10 उदाहरण वाक्य बनाइए।
5. क्रिया की परिभाषा लिखिए। 10 वाक्यों में क्रिया शब्द पहचानकर लिखिए।
6. लिंग बदलकर 10 शब्द लिखिए; जैसे—पुत्र, राजा, शेर आदि।
7. वचन बदलकर 10 शब्द लिखिए; जैसे—किताब, लड़की, नदी आदि।
8. समानार्थी/पर्यायवाची के 10 शब्द और विलोम के 10 शब्द लिखिए।
9. संज्ञा, सर्वनाम, विशेषण और क्रिया का प्रयोग करते हुए 8-10 वाक्यों का एक अनुच्छेद लिखिए।
10. विराम-चिह्नों (पूर्ण विराम, अल्प विराम, प्रश्नवाचक, विस्मयादिबोधक) के नाम और प्रयोग उदाहरण सहित लिखिए।
11. मुहावरों में से कोई 5 चुनकर अर्थ सहित वाक्य बनाइए।
12. शुद्ध वर्तनी का अभ्यास: अपनी पाठ्यपुस्तक से 20 शब्द चुनकर दो-दो बार लिखिए।

खंड-C : ब्रिज कोर्स / आधारभूत भाषा-कौशल

1. अपना परिचय 8-10 वाक्यों में लिखिए।
2. “मेरी छुट्टियाँ” विषय पर 100-120 शब्दों का अनुच्छेद लिखिए।
3. “स्वच्छ विद्यालय, स्वस्थ विद्यार्थी” विषय पर 5 नारे लिखिए।
4. अपने मित्र/मित्रा को छुट्टियों के अनुभव बताते हुए एक अनौपचारिक पत्र लिखिए।
5. अपने विद्यालय के प्रधानाचार्य को दो दिन के अवकाश हेतु आवेदन-पत्र लिखिए।
6. एक छोटी कहानी (100-120 शब्द) लिखिए जिसमें ईमानदारी या परिश्रम की सीख हो। कहानी का शीर्षक और शिक्षा अवश्य लिखें।

HOLIDAY HOMEWORK

Class: VI

Subject: Odia

୧-ରଚନା

(i)ଦଶହରା

(ii)ଶୃଙ୍ଗଳିତ ଛାତ୍ର ଜୀବନ

୨- ଦରଖାସ୍ତ

(i)ତୁମ ଅଞ୍ଚଳରେ ପାନୀୟ ଜଳର ଅଭାବ ହେଉଥିବାରୁ ସୁବିଧା ନିମନ୍ତେ ଗୋଷ୍ଠୀ ଉନ୍ନୟନ ଅଧିକାରୀଙ୍କ ନିକଟକୁ ଦରଖାସ୍ତ ଲେଖ ।

(ii)ତୁମେ ସଂକ୍ରମକ ରୋଗରେ ପୀଡ଼ିତ ହୋଇଥିବାରୁ ବିଦ୍ୟାଳୟରୁ ଛୁଟି ମଞ୍ଜୁର ନିମନ୍ତେ ପ୍ରଧାନ ଅଧ୍ୟକ୍ଷଙ୍କ ନିକଟକୁ ଦରଖାସ୍ତ ଲେଖ ।

୩-ପତ୍ର ଲିଖନ

ତୁମେ ଦେଖୁଥିବା ଏକ ଭ୍ରମଣ ସ୍ଥାନ ସମ୍ପର୍କରେ ଆଲୋଚନା କରି ସାଙ୍ଗ ନିକଟକୁ ପତ୍ର ଲେଖ ।

୪-ଉତ୍କଳ ସନ୍ତାନ ପ୍ରସଙ୍ଗ ର ପ୍ରଶ୍ନ

ଉତ୍ତର ଲେଖ ।

HOLIDAY HOMEWORK

Class: VI

Subject: Music

How many basic *Swaras* (notes) are there in Indian classical music?

Q2. Write the full names of all seven basic notes (*Sapta Swaras*).

Q3. What is the ascending order of musical notes called?

Q4. What is the descending order of musical notes called?

Q5. Which musical instrument is held and played by Goddess Saraswati?

Q6. Name any two wind instruments (instruments played by blowing air).

Q7. Name any two percussion instruments (instruments played by striking).

Q8. How many total beats (*Matras*) are there in *Teental*?

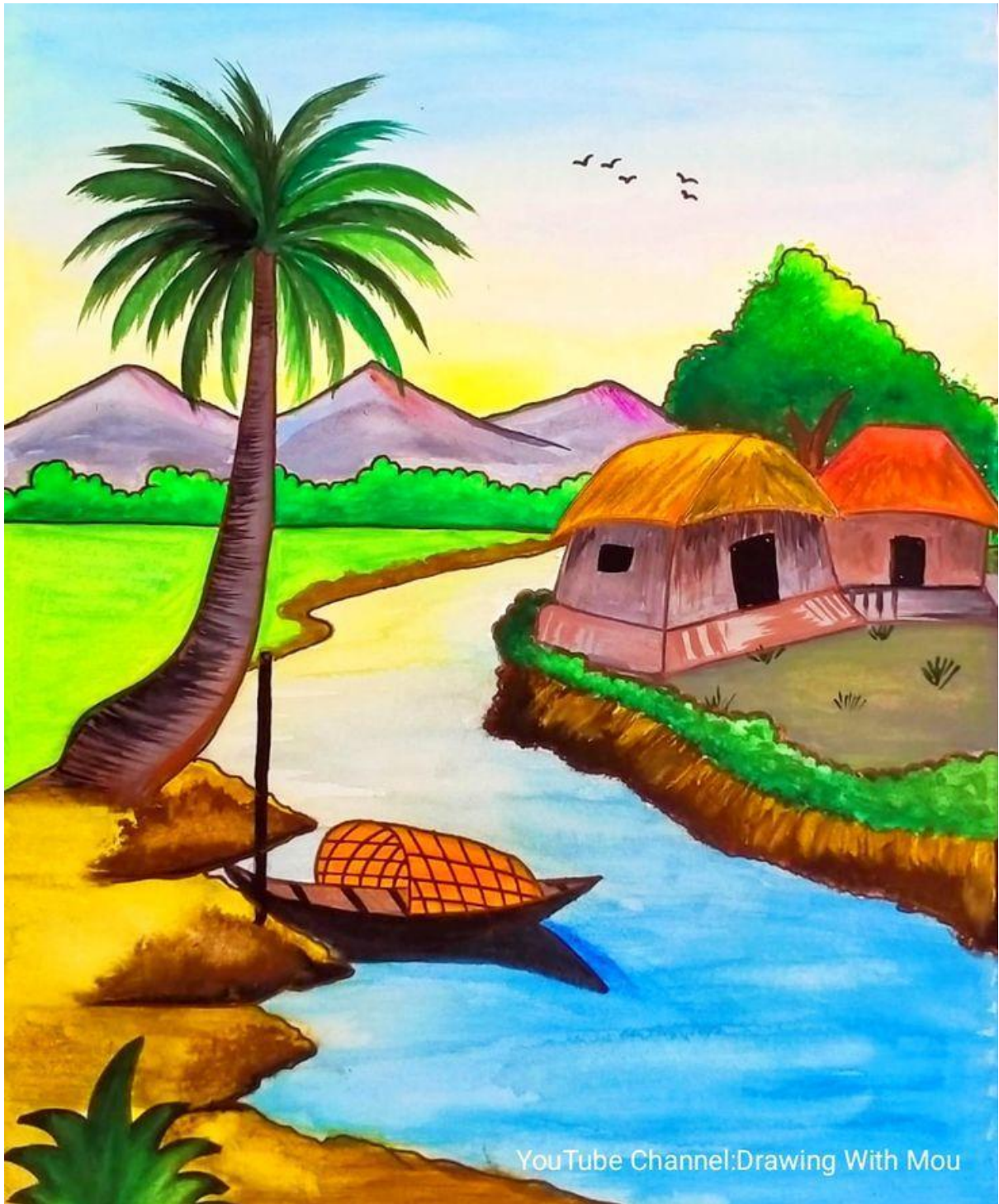
Q9. Write any two basic *Alankars* in your music notebook.

Q10. Draw and label a simple diagram of your favorite musical instrument.

HOLIDAY HOMEWORK

Class: VI Subject: Art Education





3. Nature and Landscape Painting

Related topic: Nature's Palette

SIZE-A4 SHEET