

D.A.V PUBLIC SCHOOL KOYLANAGAR, DHANBAD

SUMMER VACATION HOLIDAY HOMEWORK , SESSION 2026-27

CLASS - VII

SUBJECT - HINDI

1. उपसर्ग एवं प्रत्यय जोड़कर पांच-पांच नए शब्दों का निर्माण करें तथा इन शब्दों से वाक्य बनाएं।
2. 'स्वच्छता अभियान ' पर एक विज्ञापन बनाकर स्कैप बुक में चिपकाइए।
3. भारत के किन्हीं पांच त्योहारों एवं उनके मनाए जाने वाले महीनों के नाम सचित्र स्कैपबुक में चिपकाइए।
4. अपनी पसंदीदा ऋतु की एक छोटी सी कविता सचित्र स्कैपबुक में लिखिए ।

SUBJECT - SANSKRIT

- 1) 'अभ्यासः एव परमो गुरुः'- इति पाठस्य चित्रं निर्माय सम्पूर्णं गद्यांशं संस्कृतभाषया पठन्तु लिखन्तु च।
- 2) अस्मद् (मैं), किम् (त्रिषु लिङ्गेषु) च इत्यनयोः शब्दरूपाणि स्मरन्तु लिखन्तु च।
- 3) पठ्, गम् च इत्यनयोः धातुरूपाणि पञ्चलकारेषु स्मरन्तु लिखन्तु च।

SUBJECT – ENGLISH

Note: Complete all activities in your scrap book using your English Reader book as a reference.

Activity 1: Professions & Future Aspirations

- **Task:** Write all the professions in 'ladders' format and write a detailed paragraph about a profession you choose to pursue in the future.
- **Details:** Research various career paths (Doctor, Engineer, Artist, Pilot, etc.) and explain why your chosen profession inspires you.

Activity 2: Poetry & Comprehension

- **Task:** Write the poem 'Teacher's Prayer' neatly in your scrapbook.

- **Details:** After writing the poem, solve Question 1 from the textbook exercises related to this poem.

Activity 3: Logical Reasoning: Relationships

- **Task:** Solve the riddles from the chapter 'Relationship'.
- **Details:** Focus on the logic of family trees and kinship as discussed in the chapter.

Activity 4: Learning & Revision

- **Task:** Learn all the question answers of Chapter 1 and Chapter 2.
- **Details:** Be prepared for a class oral test or written assessment upon school reopening.

SUBJECT - SOCIAL SCIENCE

HISTORY

1. Prepare a comparative table as per the following format about the Rashtrakutas, The Palas, and The Pratiharas:

- a) Dynasty
- b) Name of Kings
- c) The period
- d) Religion
- e) Literary achievements
- f) Art and Architecture

CIVICS

1. Collect the following information about your state:

- a) The map of your state

- b) Name of the Governor
- c) Does it have a unicameral or bicameral legislative?
- d) Number of members of Legislative Assembly
- e) Population of your state
- f) Name the chief minister of your state

 **GEOGRAPHY**

1. On the outline map of the world, show the given National Parks:

- a) Gir National Park – INDIA
- b) Jim Corbett National Park – INDIA
- c) Yellowstone National Park – USA
- d) Serengeti National Park – Tanzania
- e) Fiordland National Park – New Zealand

2. Prepare a coloured diagram showing different spheres of the environment.

SUBJECT – MATHEMATICS

Short answer type questions

1. Express $\frac{3}{5}$ as rational number with numerator -21.
2. Express $-\frac{64}{256}$ as rational number with denominator 8.
3. Fill in the blanks.
 - a. $-\frac{3}{5} = \frac{6}{\quad} = \frac{\quad}{-15}$
 - b. $\frac{36}{\quad} = \frac{4}{9} = \frac{-84}{\quad}$
4. Find x such that the rational number in each of the following pairs become equivalent.
 - a. $\frac{36}{x} = 2$ b. $\frac{8}{7} = \frac{x}{-35}$
5. Represent the following rational number on the number line.
 - a. $-\frac{7}{3}$ b. $\frac{5}{2}$
6. Compare the rational number.

a. $\frac{5}{9}$, $\frac{4}{6}$ b. $-\frac{4}{7}$, $\frac{5}{-9}$

Long answer type question

7. Arrange the following in descending order.

$-\frac{7}{10}$, $\frac{8}{-15}$, $\frac{19}{30}$, $-\frac{2}{-5}$

8. Find the average of $\frac{4}{5}$, $\frac{2}{3}$ and $\frac{5}{6}$

9. On a number line what is the length of the line segment joining:-

a. $\frac{1}{2}$ and $-\frac{1}{2}$ b. $-\frac{1}{2}$ and $-\frac{5}{2}$

10. Simplify

a. $\frac{5}{36} + (-\frac{7}{8}) + \frac{6}{-72} + (-\frac{3}{12})$

b. $-\frac{5}{10} + \frac{9}{7} + \frac{3}{20} + (-\frac{11}{14})$

11. What number should be subtracted from -1 so as to get $\frac{5}{3}$?

12. The product of two rational numbers is $-\frac{3}{7}$. If one of the numbers is $\frac{5}{21}$. Find the other.

13. From a rope of the length 40 meter a man cuts some equal sized pieces. How many pieces can be cut if

each piece is of $\frac{4}{9}$ meter long?

14. For $x = \frac{3}{4}$ and $y = -\frac{9}{8}$ insert a rational number $(x-y)^{-1}$ and $x^{-1} - y^{-1}$

15. A drum of kerosene oil is $\frac{3}{4}$ full. When 15 litres of oil is drawn from it, it is $\frac{7}{12}$ full. Find the total

capacity of the drum.

16. Verify that $(x + y)^{-1}$ is not equal to $x^{-1} + y^{-1}$ by taking $x = \frac{5}{9}$ and $y = -\frac{4}{3}$

17. Verify the property $X \times (Y+Z) = X \times Y + X \times Z$ by taking $X = \frac{4}{15}$, $Y = \frac{2}{5}$, $Z = -\frac{4}{9}$

18. For $x = \frac{1}{10}$, $y = -\frac{3}{5}$, $z = \frac{7}{20}$, find the values of the expression $(x - y) - z$ and $x - (y - z)$. Are they equal.

ACTIVITY WORK

19. Draw a grid of pattern (like mosaic or rangoli) and color different portion. Label what fraction of the total

area each color occupies. Write each fraction in its simplest form and also as a decimal.

20. Make a comic strip with rational numbers as characters. Include a conflict. (e.g. improper fraction versus proper fraction). End a resolution with a Math concept.

SUBJECT – SCIENCE

PHYSICS

Model Making: Create a model of a clinical or laboratory thermometer using household items.

Observation Notebook: Keep a daily record of the maximum and minimum temperature in your city for 10 days using a newspaper or app.

Concept Mapping: Draw and explain the mechanisms of sea breeze and land breeze, explaining why coastal areas have moderate climate

Give reason.....

1. Why does smoke from a campfire rise vertically up??
2. Why do we feel warmer wearing woollen clothes?
3. The mercury does not fall or rise in a clinical thermometer when taken out of the mouth. Explain why.
4. Why is the freezer compartment always located at the top of a refrigerator?

BIOLOGY

Prepare any two of the following:

Prepare a model of photosynthesis.

Make a collage using pictures of parasitic and insectivorous plants.

Make a model of Venus fly trap or pitcher plant.

****Instructions for the Students**

- Complete work neatly in a separate holiday homework notebook/file.
- Use coloured pens/pencils for diagrams.
- Submit after summer vacation.
- Maintain cleanliness and creativity in presentation.

