School No. 41363 CBSE Affiliation No. 531390

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Holiday Homework
Summer Vacations
Class - 8th A

English:

1. Do Holiday Package given in Bravia.
2. Work Sheet 1 to 5 (Unseen Passage)
3. Work Sheet 36, 37 (Letter)
4. Work Sheet 25, 26 (Notice)
5. Work Sheet 29, 30 (Factual Description)

Science:

Learning:
Revise textbook exercises for chapters 1, 2 and 3.
Written:
Write down all keywords from chapters 1, 2, and 3 in the notebook.
Activity:
1. Draw different types of microorganisms with their names on an A4-sized sheet. Microorganisms include bacteria, fungi, protozoa, and some algae.
2. Create a table listing different diseases caused by microorganisms in plants and animals.
Chapter 1: Crop Production and Management

A. Fill in the blanks:

1. The process of loosening and turning of the soil is called ____.

2. ____ are unwanted plants that grow with the crop.

3. ____ and ____ are the two main methods of irrigation.

4. The cutting of crop after it is mature is called ____.

5. ____ is a traditional tool used for ploughing.

B. Answer in one sentence:

1. What is a crop?

2. Why is manure added to the soil?

3. Define harvesting.

4. Name two modern tools used for sowing seeds.

5. How are grains stored on a large scale?

C. Match the following:

A	B
Kharif crop	Wheat
Rabi crop	Paddy
Plough	Spraying insecticides
Seed drill	Traditional tool
Sprayer	Modern sowing tool

Chapter 2: Microorganisms: Friend and Foe

A. True or False:

1. Bacteria are always harmful. (__)

2. Yeast is used in the production of alcohol. (__)

3. Malaria is caused by protozoa. (__)

4. Nitrogen-fixing bacteria live in the roots of leguminous plants. (__)

5. Vaccines provide immunity against diseases. (__)

B. Short Answer Questions:

1. Name any two harmful effects of microorganisms.

2. Mention two beneficial uses of yeast.

3. What is fermentation? Who discovered it?

4. Define communicable diseases.

5. What are pathogens?

C. Project Activity (choose any one):

1. Make a chart showing the classification of microorganisms with examples.

2. Prepare a model or collage of modern methods of irrigation.

3. Collect pictures of crops grown in different seasons and make a seasonal crop calendar.

Instructions:

Attempt all questions neatly.

Use diagrams wherever necessary.

Ensure the project work is creative and well-presented.

Social Science:

Instructions:
Focus on creativity, real-life connection, and presentation.
Submit in a folder or notebook.
Prepare in attractive way.
1. Activity: Soil Types in India – Scrapbook
Objective: Learn about different soil types.
Instructions:
•Collect pictures and information about different types of soil in India (e.g., alluvial, black, red).
•Mention areas where each soil is found and crops grown in them.
•Arrange this information neatly in a scrapbook or notebook
2. Project work: - Poster Making
Topic: "Conservation of Resources"
Materials: Chart paper, color pens, magazine cut-outs, glue.
Instructions:
•Create a colorful poster highlighting ways to conserve resources.
•Add slogans like “Save Water, Save Life” or “Reduce, Reuse, Recycle”.
3. Collect pictures of Dr. B.R. Ambedkar, the Constitution Day celebration, and the Parliament of India.
4. Writing work:- Assignment
Section A:- Short question (answering 40-50 words)
Civics:-
1. What is a Constitution and why is it important?
2. List any three features of the Indian Constitution.
3. How does the Constitution protect the rights of citizens?

Hindi:

1-परियोजना कार्य
विषय -भारत के प्रसिद्ध हिंदी लेखक -हरिवंश राय बच्चन
*जीवन परिचय
*प्रमुख रचनाएं
*उनकी कविता की पंक्तियां
2- व्याकरण अभ्यास
*10 मुहावरे और उनके वाक्य प्रयोग
*काल के प्रकार व उनके दो उदाहरण
3-मेरी कल्पनाओं का स्कूल
आपका सपना है एक ऐसा स्कूल बनाना जो बिल्कुल अलग है l
*वहां कैसी पढ़ाई होती है?
*क्लासरूम कैसे होते हैं?
*शिक्षक कैसे होते हैं?

4-अनुभव संग्रह
*घर के बड़े सदस्य से पूछे -आपने जिंदगी में सबसे जरूरी क्या सीखा?
*उसे अनुभव को पांच पंक्तियों में हिंदी में लिखे।
5-व्याकरण
*सभी स्वरों को लिखें व सभी मात्राओं से पांच-पांच शब्द बनाएं।

Computer:

Writing Section
CH-1 Write F and G Part in NoteBook.
CH-2 Write F and G Part in NoteBook
Learning Section
CH-1 Learn A, B, C, D and E Part
From book.
CH-2 Learn A, B,C, D and E part from Book.
Reading Section
CH-3 Read the Complete Chapter.

Sanskrit:

1.संस्कृत में कोई चार श्लोक लिखो व चित्र बनाओ।
2.पाठ -1,2,3 के शब्दार्थ लिखो।
3.हर रोज एक पाठ ध्यान पूर्वक पढ़ो व उसमें से 10 कठिन शब्द लिखो।
4.: संधि-विच्छेद (Sandhi Viccheda)

निम्नलिखित शब्दों का संधि-विच्छेद कीजिए और उसका प्रकार भी लिखिए (स्वर/व्यंजन/विसर्ग):
1. धर्मक्षेत्रे
2. विद्यालयः
3. लोकनाथः
4. जनार्दनः
5. सती
6. धातु रूप (Lakaara-Roopa)

लट् लकार (वर्तमान काल) में निम्नलिखित धातुओं के तीनों पुरुषों के रूप बनाइए:

(धातुः √पठ्, √गम्, √क्रीड्, √वद्, √धाव्)

उदाहरण: पठामि, पठसि, पठति...
7: कारक-पहचान (Kāraka Identification)
प्रत्येक वाक्य में रेखांकित शब्द का कारक बताइए:
1. बालकः पुस्तकम् पठति।
2. सीता वनम् गच्छति।

3. अहं मित्राय फलम् ददामि।
4. रामः गृहे अस्ति।
5. बालिकायाः संगीतः रमणीयः अस्ति।

8: संस्कृत से हिन्दी अनुवाद (Translate Sanskrit → Hindi)

. मम पितामहः प्रतिदिनं देवालयं गच्छति।
. छात्राः उद्याने क्रीडन्ति।
. अहं जलं पिबामि।
. सः फलं खादति।
. रमेशः पुस्तकम् पठति।

9. हिन्दी से संस्कृत अनुवाद (Translate Hindi → Sanskrit)

. राम बाजार जाता है।
. मैं जल पीता हूँ।
. बालिकाएँ पुस्तकें पढ़ती हैं।
. हम घर में रहते हैं।
. माता भोजन बनाती है।

10: रचनात्मक कार्य (Creative Task)

"विद्यालयस्य एकः दिवसः" (विद्यालय का एक दिन) विषय पर 8 पंक्तियों का लघु अनुच्छेद संस्कृत में लिखिए। शब्दों की विविधता व व्याकरण की शुद्धता का ध्यान रखें।

Maths:

Written - Do given worksheet in holidays hw notebook

Learning - learn tables 2 to 35. Square table - 1 to 50 and Cube table - 1 to 30

Activity – 1 Students collect at least 5 circular objects from their home or surrounding. Measure radius, diameter and circumference of selected objects. Also Mention the process used to find out the circumference.

2 Prepare a pen stand or any craft work using coloured paper and cardboard .Decorate it using mirrors, ribbons, etc. Calculate all your expenses that you had paid in its making. For how much money will you sell it to make profit of 25%?

Maths Worksheet:

Chapter:1**(Rational Numbers)**

Fill-ups

1. A rational number is a number that can be expressed in the form _____.
2. The additive inverse of a rational number a/b is _____.
3. The multiplicative inverse of a rational number a/b is _____.

MCQs

1. Which of the following is a rational number?

a) π b) √2 c) ¾ d) e

2. What is the simplest form of the rational number 6/8?

a) ¾ b) ½ c) 2/3 d) ¼

3. What is the sum of ½ and ¼?
a) ¾ b) ½ c) 2/3 d) 3/8

Addition/Subtraction

1. Add: 2/3 + 1/6
2. Subtract: ¾ - 1/8
3. Add: ½ + ¾
4. Subtract: 2/3 – ¼

Chapter:2(Linear Equations in one variable)

Section:1

1. Solve: x + 2 = 5
2. Solve: 2x = 8
3. Solve: x – 3 = 2
4. Solve: x + 1 = 9
5. Solve: 3x = 12
6. Solve: x – 2 = 7
7. Solve: x + 4 = 11
8. Solve: 4x = 16
9. Solve: x – 1 = 6
10. Solve:Y+10=(-8)

Section:2

1. Solve: 2x + 3 = x + 6
2. Solve: 4x - 2 = 2x + 10
3. Solve: x + 2 = 3x - 4
4. Solve: 5x + 1 = 3x + 7
5. Solve: 2x - 3 = x + 2
6. Solve: x + 5 = 2x + 1
7. Solve: 3x - 2 = 2x + 6
8. Solve: x - 2 = 2x + 3
9. Solve: 4x + 2 = 3x + 9
10. Solve: 2x + 4 = x + 8

Section:3

1. Solve: 2x/3 + 2 = x/2 + 5
2. Solve: x/4 - 2 = 3x/8 + 1
3. Solve: 3x/2 + 1 = 2x/3 + 4
4. Solve: x/2 + 3 = 3x/4 - 2
5. Solve: 2x/5 - 1 = x/3 + 2
6. Solve: x/6 + 2 = 2x/9 + 1
7. Solve: 3x/4 - 2 = x/2 + 3
8. Solve: 2x/3 + 4 = x/2 + 6
9. Solve: x/5 - 1 = 2x/7 + 2
10. Solve: 3x/8 + 2 = 2x/5 – 1

Chapter:3(Understanding Quadrilateral)

Section: A (MCQ)

1. What is the sum of interior angles of a quadrilateral?
a) 180° b) 270° c) 360° d) 450°
2. Which type of quadrilateral has all sides equal?
a) Rectangle b) Square
c) Rhombus d) Both b and c
3. What is the property of diagonals in a rectangle?
a) They bisect each other
b) They are perpendicular
c) They are equal
d) Both a and c
4. Which quadrilateral has opposite sides equal and parallel?
a) Rectangle b) Square
c) Parallelogram d) All of the above
5. What type of quadrilateral has all angles equal to 90°?
a) Rectangle b) Square
c) Both a and b d) Rhombus
6. Which quadrilateral has diagonals that bisect each other at right angles?
a) Rectangle b) Square
c) Rhombus d) Both b and c
7. What is the sum of exterior angles of a quadrilateral?
a) 180° b) 270° c) 360° d) 450°
8. Which type of quadrilateral is a rectangle with all sides equal?
a) Square b) Rhombus
c) Parallelogram d) Trapezium
9. What is the property of opposite angles in a parallelogram?
a) They are equal
b) They are supplementary
c) They are complementary
d) They are unequal
10. Which quadrilateral has one pair of parallel sides?
a) Trapezium b) Parallelogram
c) Rectangle d) Square

Section: B (True/False)
1. The sum of interior angles of a quadrilateral is 180°. (True/False)
2. A square is a type of rectangle. (True/False)
3. The diagonals of a rhombus are equal. (True/False)
4. A parallelogram has all sides equal. (True/False)
5. The sum of exterior angles of a quadrilateral is 360°. (True/False)
6. A rectangle has all angles equal to 90°. (True/False)
7. The diagonals of a trapezium bisect each other. (True/False)
8. A rhombus has all angles equal. (True/False)
9. The opposite sides of a parallelogram are equal. (True/False)
10. A square is a type of trapezium. (True/False)

Section Find Angles
1. In quadrilateral ABCD, $\angle A = 90°$, $\angle B = 60°$, and $\angle C = 120°$. Find $\angle D$.

2. In quadrilateral PQRS, ∠P = 75°, ∠Q = 105°, and ∠R = 90°. Find ∠S.
3. In quadrilateral ABCD, ∠A = x, ∠B = 2x, ∠C = 3x, and ∠D = 4x. Find the value of x and each angle.
4. In quadrilateral EFGH, ∠E = 100°, ∠F = 80°, and ∠G = 110°. Find ∠H.
5. In quadrilateral JKLM, ∠J = 50°, ∠K = 130°, and ∠L = 70°. Find ∠M

Section: C

1. Design a quadrilateral with specific properties (e.g., rectangle with diagonals of equal length). Justify your design.
2. A park is in the shape of a quadrilateral. If one angle is 120°, find the other angles if the park is a parallelogram.
3. Prove that the diagonals of a rectangle bisect each other using coordinate geometry.
4. In a quadrilateral ABCD, ∠A = 90°, ∠B = 60°, ∠C = 120°. Find ∠D and identify the type of quadrilateral.
5. Create a real-life scenario where understanding quadrilaterals is crucial (e.g., architecture, design). Explain its significance.
6. If one exterior angle of a regular quadrilateral is 90°, find the number of sides.
7. In a rhombus, one diagonal is 10 cm. Find the length of the other diagonal if the side length is 13 cm.
8. Design a quadrilateral with given side lengths (e.g., 5 cm, 6 cm, 7 cm, 8 cm). Determine its type.
9. Prove that the sum of interior angles of a quadrilateral is 360° using a creative method (e.g., paper folding).
10. Compare and contrast properties of different types of quadrilaterals (e.g., rectangle, rhombus, square).