SURAJ
Group of Schools

Summer Holiday Homework

Name- ....
Nickname- ....
Class- .... Roll no- ....

Class:VII-B

Dear Parents

Vacation is an excellent time to learn new skills. It is a welcome break for the children to enjoy and explore things in their own way. Just the right time to let the children do some creative work. Here are some interesting and fun-filled assignments for the children to learn and keep them occupied during the holidays. These assignments have been designed to ensure that the children enjoy and learn at same time. We would appreciate if the children do the assignments on their own. Help and guidance may be given wherever required. Let's work together towards the betterment of the students. Happy Holidays!!

PROJECTS :

*Make a model according to the roll numbers (1-5)

 Layers of atmosphere

 Use colours sheets cardboard make it more attractive and meaningful.

*Prepare a model of the Human digestive system. (Roll No. 6-10)

* PROJECT CHOOSE ANY ONE (ROLL NO 11-16)

*Create a model showing the perimeter and area of various shapes like triangles, rectangles, squares, and circles using different materials like cardboard, paper, or even by drawing them accurately on a chart.

*Create a model showing different types of angles (acute, obtuse, right, straight, reflex) using various materials like sticks, paper, or geometrical tools.

*Measure the area and perimeter of real-life objects or shapes in your classroom or home, like tables, doors, or windows, and compare the calculated values with actual measurements.

Subject : English

worksheet

Part A: Bonus – Noun Quiz!

Circle the correct answer.

1. Which of these is a proper noun?

a) city

b) dog

c) London

d) fruit

2. What type of noun is "book"?

a) Proper

b) Action

c) Common

d) Verb

3. Which noun is a person?

a) hospital

b) teacher

c) chair

d) apple

Part B: Identify the Verbs and Adverbs

Underline the verb and circle the adverb in each sentence.

1. She ran quickly to the door.

2. He speaks softly in class.

3. The cat jumped gracefully

4. They laughed loudly at the joke.

5. I walked slowly in the rain.

Part C: Choose the Correct Adverb

Fill in the blank with the most appropriate adverb from the word bank.

Word Bank: quietly, happily, fast, gently, angrily

1. The baby slept _____.

2. She smiled _____ at her friend.

3. The dog barked _____ at the stranger.

4. He ran _____ to catch the bus.

5. The nurse touched the wound _____.

Part D: Multiple Choice – Noun Quiz

Circle the correct noun in each sentence.

1. The (run / dog / quickly) barked at the mailman

2. She drew a picture of a (color / house / fast).

3. My (happy / friend / jump) lives next door.

Subject : Hindi

भाग–अ: व्याकरण

1. निम्नलिखित शब्दों में उपसर्ग छांटिए

(क) अनुशासन   (ख) पुनःप्रयोग   (ग) अविश्वास   (घ) निराशा   (ङ) उपकार

2. निम्नलिखित शब्दों में प्रत्यय पहचानिए

(क) सेवक   (ख) बालक   (ग) सजावट   (घ) चालक   (ङ) लेखन

3. नीचे दिए गए शब्दों का वचन बदलिए (एकवचन से बहुवचन या बहुवचन से एकवचन) :

(क) बच्चा   (ख) लड़कियाँ   (ग) पुस्तक   (घ) फूल   (ङ) आदमी

4. निम्नलिखित शब्दों का लिंग बदलिए:

(क) राजा   (ख) पुत्री   (ग) ग्राहक   (घ) गाय   (ङ) रक्षक

5. वाक्यों में सही कारक पहचानिए: (क) मोहन ने खाना खाया।
(ख) राम के लिए चिट्ठी आई।
(ग) वह पुस्तकालय गया।
(घ) हम मित्रों के साथ गए।
(ङ) उन्होंने हमें पुरस्कार दिया

भाग–ब: रचनात्मक लेखन

6. पत्र लेखन

विषय: अपने विद्यालय के प्रधानाचार्य को फीस माफी हेतु एक प्रार्थना पत्र लिखिए।

7. निबंध लेखन

(क) **भ्रष्टाचार** पर एक निबंध लिखिए (80–100 शब्दों में)।
(ख) **कंप्यूटर और हम** पर एक निबंध लिखिए (80–100 शब्दों में)।

8. इन विषय पर निबंध लिखें।

(क) **दीपावली**.   (ख) **गणतंत्र दिवस**

EXPONENTS AND POWERS

1. Express 256 as a power 4.
   - (a) 4^8
   - (b) 2^8
   - (c) 4^4
   - (d) none of these

2. Express 729 as a power of 3
   - (a) 3^8
   - (b) 3^6
   - (c) 9^3
   - (d) none of these

3. Express 2048 as a power 2.
   - (a) 2^{16}
   - (b) 2^8
   - (c) 4^8
   - (d) none of these

4. Which one is greater?
   - (a) 2^3
   - (b) 3^2
   - (c) 1^8
   - (d) 4^2

5. Express 432 as a product of powers of prime factors.
   - (a) $2^3 \times 3^3$
   - (b) $2^4 \times 3^3$
   - (c) 16 x 27
   - (d) none of these

6. The value of $(-1)^{55}$ is
   - (a) -1
   - (b) 1
   - (c) 0
   - (d) none of these

7. The value of $(-1)^{500}$ is
   - (a) -1
   - (b) 1
   - (c) 0
   - (d) none of these

8. The value of 2^8 is
   - (a) 128
   - (b) 256
   - (c) 512
   - (d) none of these

9. Simplify and write in exponential form of $2^2 \times 2^5$
   - (a) 2^3
   - (b) 2^7
   - (c) 128
   - (d) none of these

10. Simplify and write in exponential form of $(-4)^{100} \times (-4)^{20}$
    - (a) $(-4)^{120}$
    - (b) $(-4)^{80}$
    - (c) $(-4)^{2000}$
    - (d) none of these

11. Simplify and write in exponential form of $5^2 \times 5^7 \times 5^{12}$
    - (a) 5^3
    - (b) 5^7
    - (c) 5^{21}
    - (d) none of these

12. The value of 2^2
    - (a) 3
    - (b) 10
    - (c) 4
    - (d) 7

13. The exponent in the expression 3^7 is _____ .
    - (a) 1
    - (b) 7
    - (c) 0
    - (d) 3

14. The value of 3^0 is _____ .
    - (a) 0
    - (b) 3
    - (c) 1
    - (d) None of these

15. Multiplicative inverse of $\frac{1}{7}$ is _____ .
    - (a) 49
    - (b) 5
    - (c) 7
    - (d) -14

ALGEBRAIC EXPRESSIONS

1. What are the coefficients of x in the expression $8 - x + y$?
   (a) 1   (b) –1   (c) 8   (d) none of these

2. What are the coefficients of y in the expression $4x - 3y$?
   (a) 4   (b) –3   (c) 3   (d) none of these

3. What are the coefficients of y in the expression $yz^2 + 5$?
   (a) 5   (b) z   (c) z^2 (d) none of these

4. Write the expression for the statement: the sum of three times x and 11
   (a) $x + 3 + 11$ (b) $3x + 11$ (c) $3 + 11x$ (d) $3x - 11$

5. Write an expression : Raju s father s age is 5 years more than 3 times Raju s age . If Raju s age is x years , then father's age is
   (a) $3x+5$ (b) $5-3x$ (c) $3x-5$ (d) $15x$

6. Identify the coefficient of x in expression $8 - x + y$
   (a) 0   (b) 8   (c) –1   (d) 1

7. The number of terms in $4p^2q - 3pq^2 + 5$ is
   (a) 7   (b) 3   (c) 1   (d) 4

8. The expression for sum of numbers a and b subtracted from their product is
   (a) $a + b - ab$ (b) $ab - a + b$ (c) $ab - (a+b)$ (d) $ab + a - b$.

9. The sum of $mn + 5 - 2$ and $mn+3$ is
   (a) $2mn + 3$ (b) 6   (c) $2mn + 8$ (d) $2mn + 6$.

10. What is the statement for the expression $3mn + 5$
    (a) 5 more than $\frac{1}{3}$ of product of m and n

    (b) number 5 added to product of number m and n
    (c) number 5 added to 3 times the product of m and n.
    (d) 5 more than 3 times the product of the numbers m and n

11. The constant term in the expression $1 + x^2 + x$ is
    (a) 1   (b) 2   (c) x   (d) x^2

12. The coefficient of y^3 in the expression $y - y^3 + y^2$ is
    (a) 1   (b) y   (c) $-y^3$ (d) –1

(A) Give one word for the following.

1.Name the largest land in our body.

2. The first part of the stomach of ruminants.

3. The process of transfer of heat in solids.

4. Name the acid present in Ant sting.

5. Name the natural indicator obtained from lichen.

(**B) Answer the following questions in short.**

1. Why does a turmeric stain on white shirt is turned to red when

   It is washed with soap?

2.Write two basic substances which we use in our daily life

3.You may have noticed that a few sharp jerks are given to clinical thermometer before using it. Why is it done so?

4.Name the simple forms of carbohydrates, fats and proteins.

5.We should not eat hurriedly. Give reason.

(C) The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.

(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.

1. Assertion (A) : Heat always flows from a larger object to a smaller object.

Reason (R) : Various modes by which heat can flow are conduction, convection and radiation.

2. Assertion (A) : Sea breeze refers to the movement of cold air from sea towards sea during time.

Reason (R) : Land breeze refers to the movement of cold air from land towards sea during night time.

3. Assertion (A) : Turmeric is a neutral indicator.

Reason (R) : Turmeric acquires orange colour in alkaline solution.

(D) Case based study

Nisha's mother bought some mango Pickles from the market and stored them in a copper vessel. After some days she found that the pickle had spoiled.

A What could be the reason for the spoilage?

b) Which type of container is suitable for the storage of Pickles?

Subject: Social Science

Worksheet

Do this worksheet in your geography notebook.

Short Answer type questions :

Q1.What are the three layers of the earth?

Q2.What is a rock?

Q3.Name three types of rocks.

Q4. What is the radius of the core?

Q5. What happens when igneous and sedimentary rocks go under great heat and pressure?

Q6. Why do the plates move?

Q7. Can you find out names of some rivers of the world that form delta?

Q9 **There are two statements given below, marked as Assertions (A) and Reasons (R) . Read the statements and choose the correct option.**

1.Assertion (A): The uppermost layer over the Earth's surface is called Crust.

Reason (R) : The thinnest layer of all the layers of the earth's surface is its uppermost layer.

a.) Only A is correct

b.) Both A and R are correct and R explains A

c.) Only R is correct

d.) Both are incorrect

2.Assertion (A): Main mineral constituents of the continental mass is Silica.

Reason (R) : Si stands for Silica and Ma stands for magnesium

a.) Both A and R are correct but does not explains each other

b.) A and R clearly explains each other

c.) Only R is correct

d.) Both are incorrect

3.Assertion (A): There are two forces which act inside and outside of the Earth.

Reason (R) : Endogenic forces are the one which causes destruction like Earthquakes and Volcanoes.
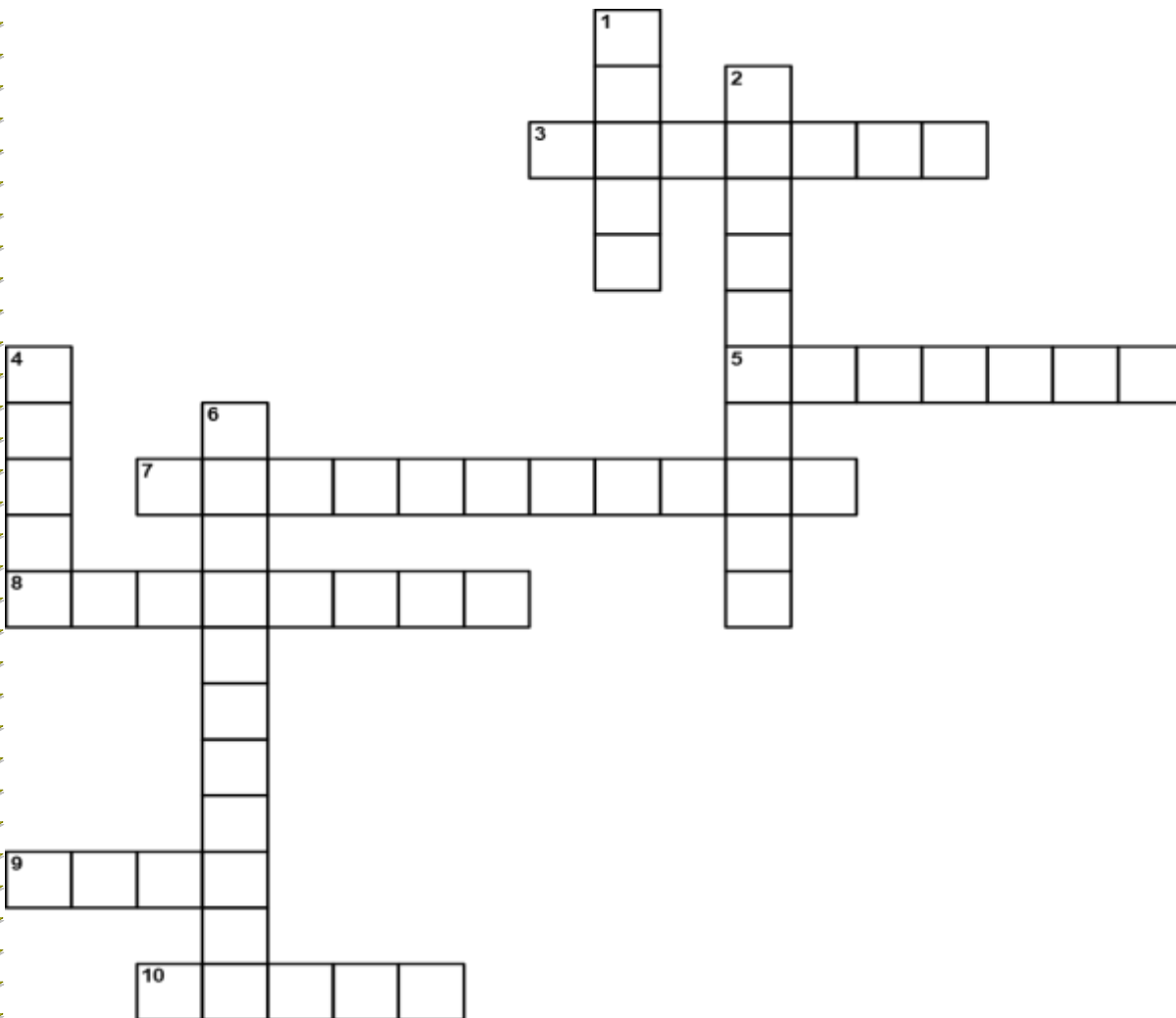
a.) Both are correct and R clearly explains A

b.) Only A is correct

c.) Both are correct but R is not the explanation of A.

Q10 Match the following

Core	Changes into slate
Minerals	Used, for building roads and buildings
Rocks	Made of silica and alumina
Clay	Has the definite chemical composition
Sial	Innermost layer

The Rock Cycle

Across

[3] Type of rock formed from magma or lava.
[5] The process of moving the broken pieces of rock.
[7] Type of rock formed by heat and pressure.
[8] Broken pieces of rock
[9] hot molten or semi fluid rock erupted from a volcano
[10] A never ending process. The Rock cycle shows how rocks change from one type to another.

Down

[1] hot fluid or semi-fluid material below or within the earth's crust from which lava and other igneous rock is formed by cooling.
[2] The process of wearing down rocks into broken pieces
[4] Mixtures of two or more minerals
[6] Type of rock formed from sediment, or broken-down rocks, minerals, sand and mud