



GD DAV PUBLIC SCHOOL

BHANDARKOLA, SATAR ROAD, DEOGHAR

SUMMER VACATION ASSIGNMENT AND PROJECT: 2026-27

CLASS - VIII

NAME: _____ ROLL No. _____

SUBJECT: ENGLISH

✓ ASSIGNMENT

- Summer Vacation is the most productive period to learn, explore and implore new ideas and creativity. Note down your experience in the form of a Diary within 120 words in the assignment note book.
- Write an article for the school magazine on the topic - **The Self-Centred Generation.**(in 200 words,)

✓ GRAMMAR PRACTICE:

- Tenses : Write the basic structures of all the tenses on a chart paper.
- Vocabulary: Learn 20 new words with their meanings and note down them on the chart paper.

ART INTEGRATED PROJECT

✓ PROJECT

(to be presented on a chart paper mentioning the following details in good handwriting)

Topic: “My Favourite Author”

- Life sketch
- Famous works
- Pictures
- Self-written review

SUBJECT: HINDI

आप सभी अपने पाठ्य पुस्तक 'ज्ञान सागर ' में “हम पंछी उन्मुक्त गंगन के”, 'असल धन ' और 'अच्छे पड़ोसी के गुण' को पढ़ चुके हैं और उनमे प्रयुक्त नैतिक मूल्यों को भलीभांति समझ चुके हैं। इनको आधार मानकर इस ग्रीष्मावकाश में निम्नलिखित कार्यों को करें

1) अनुच्छेद लेखन

स्वच्छता : एक अच्छी आदत या सामाजिक जिम्मेदारी

या

कूड़े का सही निस्तारण : समय की मांग

परियोजना कार्य

निम्नलिखित में एक

* चार्ट पेपर में सचित्र *हम पंछी उन्मुक्त गगन के लिखें*

* कोई *स्वरचित कविता, कहानी या किसी प्रसिद्ध साहित्यकार के जीवन को* रंगीन चार्ट पेपर में तैयार करें

व्याकरण कार्य

अपने पाठ्य पुस्तक के किन्ही 10 मुहावरों को छाटकर उनके अर्थ लिखें और वाक्यों में प्रयोग करें।

* तत्सम, तद्भव, अनुस्वार, अनुनासिक और र के रूप वाले 10-10 शब्दों को कॉपी में लिखे

SUBJECT: SANSKRIT

1. भू एवं 'अस्' धातुरूपाणि लिखित्वा स्मरन्तु। (पंचसु लकारेषु)
2. प्रश्नवाचकशब्दानां प्रयोगं कृत्वा 10वाक्यानि लिखन्तु ।
3. "सत्संगतिः" विषयमाश्रित्य पंच श्लोकानां संकलन कृत्वा चार्टपत्रे लिखतु।

SUBJECT: MATHEMATICS

Topic:- Squares, Square Roots, Cubes & Cube Roots

Part A: Multiple Choice Questions (MCQs)

1. Which of the following is a perfect square? (a) 1057 (b) 625 (c) 7928(d) 640
2. The value of $\sqrt{1.21}$ is: (a) 1.1 (b) 0.11 (c) 11 (d) 1.013. What is the smallest number by which 72 must be multiplied to make it a perfect cube? (a) 2 (b) 3 (c) 4 (d) 9
4. Between the squares of 15 and 16, how many non-perfect square numbers lie?
(a) 30 (b) 31 (c) 32 (d) 15

5. The cube root of -1000 is: (a) 10 (b) -100 (c) -10 (d) Does not exist
6. If $x^2 = 0.04$, then the value of x is: (a) 0.2 (b) 0.02 (c) 2 (d) 0.002
7. Which of the following is the Pythagorean Triplet whose smallest member is 6?
(a) (6, 7, 8) (b) (6, 8, 10) (c) (6, 9, 12) (d) (6, 10, 14)
8. The unit digit of the cube of 23 is: (a) 3 (b) 6 (c) 7 (d) 9
9. Three numbers are in the ratio 2:3:4 . the sum of their cubes is 33957. Find the numbers.
10. Simplify: $\sqrt{49} + \sqrt{0.49} + \sqrt{0.0049}$

Part B: Activity-Based Questions:

Estimating Square Roots: The "Number Line Race"

The Activity: Create a "Root Ladder" on a chart paper.

Task: Pick five non-perfect squares (e.g., 10, 20, 30, 50, 90).

Action: 1. Place them between two consecutive perfect squares.

2. Example: For $\sqrt{20}$, we know $4^2 = 16$ and $5^2 = 25$. So, $\sqrt{20}$ lies between 4 and 5.

3. Use the Long Division Method to find the value up to two decimal places (e.g., 4.47).

Visual: Draw a large number line and mark the "Estimated" spot vs. the "Actual" spot.

SUBJECT: SCIENCE

PHYSICS

Assignment: Draw and explain the working of a Spring Balance in the Assignment Notebook.

Project: Prepare a Concept Map on Force and Pressure. Project should be prepared on a chart paper structuring all information.

CHEMISTRY

Assignment

1. Define the following terms with examples:
 - (i) Malleability
 - (ii) Ductility

- (iii) Alloy
- (iv) Ores
- (v) Metalloids

2. Give reasons for the following:

- (i) Sodium is kept immersed in kerosene oil.
- (ii) Copper is used in making electric cables.
- (iii) Aluminium is used for wrapping food items.

3. Write any three uses of metals and non-metals.

Project Work (to be prepared on a chart paper)

A. Differentiate between Metals and Non-Metals (based on physical properties) in tabular form.

B. Write the reactivity series of elements in decreasing order of their reactivity.

BIOLOGY

1. Which of the following is the control room of the cell?

- (a) Nucleus
- (b) Protoplasm
- (c) Chloroplast
- (d) Ribosome

2. Which of the following is a locomotory organelle in protozoa ?

- (a) pseudocoelom
- (b) tentacles
- (c) flagella
- (d) all of these

3. Cell membrane is also called:

- (a) cell wall
- (b) nucleolus
- (c) cytoplasm
- (d) Plasma membrane

4. The power house of cell is called

- (a) Cell wall
- (b) Mitochondria
- (c) Ribosomes
- (d) Nucleus

5.. Which of the following statements is/are the functions of golgi apparatus?

- (a) Transporting proteins that are to be released from the cell
- (b) Packaging proteins into vesicles.
- (c) Altering or modifying proteins.
- (d) All of these

6. Single celled organisms are called

- (a) Unicellular
- (b) Multicellular
- (c) Both of these
- (d) None of these

7. The plastid responsible for fruit colour is :

- (a) chromoplast
- (b) amyloplast
- (c) chloroplast
- (d) leucoplast

8. Cell is discovered by

- (a) Robert Brown
- (b) Robert Hooke
- (c) John Mendal
- (d) Charles Darwin

9. Which of the following is selectively permeable?

- (a) cell membrane (b) cell wall (c) plasmid membrane (d) capsule


Project:-

Draw the diagram of various types of cells present in human body on chart paper

SUBJECT: SOCIAL SCIENCE

GEOGRAPHY

 Project Title:

 "Our Earth and Environment"

Part A - Map Work (5 Marks)

On a world map, mark and label:

Continents (Asia, Africa, Europe, etc.)

Oceans (Pacific, Atlantic, Indian, etc.)

Any 5 major countries

(Use colors and make it attractive.)

Part B - Short Questions (5 Marks)

Answer the followings in 30-40 words each:

1. What is Geography?
2. Name two components of environment.
3. What is ecosystem?
4. Define natural resources.
5. What is weather?

Part C - Long Answer

(Answer in 80-100 words)

1. Explain the importance of environment in our life.

OR

2. Describe different types of natural resources with examples.

HISTORY/CIVICS

Write the Preamble of India neatly on chart paper and decorate it creatively with proper presentation and artistic appeal.

SUBJECT: ICT

A) Answer the following questions:

- 1) What is a computer network?
- 2) Differentiate between LAN & WAN.
- 3) What is the role of transmission medium in a computer network?

- 4) Differentiate between Coaxial cable & Fiber optics Cable.
- 5) Differentiate between Wired and Wireless cable.

B) Write short notes on each of the following:

- i. Wi-Fi
- ii. Modem
- iii. ISP

Project Work (The work should be prepared neatly and creatively on chart paper)

- 1) Write the names of different web browsers and draw their pictures.
- 2) Draw the different types of cables and write the advantages of each.

DRAWING

Craft- Make a creative decorative item using waste materials. The activity should be neat, innovative and eco-friendly. Use easily available recyclable materials and present the work attractively.

Painting- 1) Yoga- The Science and Art Of Living 2) Sohrai Art (Folk Art of Jharkhand)