



Theme: - Learning from the past, Innovating for the future, Sustaining the present

General instructions:

- Parents are requested to only guide their children while doing assignments
- All the work should be neatly done.
- Wherever required parents can take the printouts of the assignment or copy the work (handwritten)

Subject	Homework
ENGLISH	Read the book 'Charlie and the Chocolate Factory' by Roald Dahl and write a book review on it in your Scrapbook. You may illustrate by pasting pictures or drawing sketches from the story.
HINDI	अविकारी व उसके भेदों का एक चार्ट पेपर तैयार करें। या कारक व उसके भेदों का चार्ट पेपर तैयार करें।
SST	<ul style="list-style-type: none">• Make a list of 10 different food items that you consume every day, find out from which agricultural commodities they are made, collect their pictures and paste them in the scrapbook.
COMPUTER	<ul style="list-style-type: none">• Draw or paste tool of tool panel of Photoshop 2022 and mention all the names in your scrapbook

SCIENCE	<p>*Winter Holiday Homework for Science (Grade 8)*</p> <p>As you enjoy your winter break, we have designed some engaging activities to help you explore science creatively and deepen your understanding. Please ensure that you complete the following tasks:</p> <p>*1. Design an Electroscope*</p> <p>Create a simple electroscope using materials available at home. Bring your electroscope to school after the vacation for demonstration and discussion.</p> <p>*2. Video Demonstration:* Electrostatic Force</p> <p>Record a video (not exceeding 2 minutes) demonstrating electrostatic force of attraction or repulsion.</p> <p>Share your video with me via email giniagg880@gmail.com</p> <p>*3. Notebook Completion*</p> <p>Ensure your science notebook is complete with all the questions and answers discussed in class.</p> <p>Submission Date: First day after the vacation</p>
ART	<p>Activity: Draw a beautiful village landscape using the concept of light and shade using pencil colours in your drawing files.</p>

ENGLISH WORKSHEET

1. Synonyms

Fill in the blanks with the correct synonym:

1. The landscape was _____ (beautiful) beyond imagination.
2. He is known for being _____ (shrewd) in business dealings.
3. The students were _____ (optimistic) about their marks.
4. She received a fabulous gift from her _____ (affluent) friend.

2. Antonyms

Fill in the blanks with the correct antonym:

1. The room was dark and _____ (cheerful).
2. His behavior was cruel and _____ (attractive).
3. The new policies will reduce unemployment and increase _____ (import).
4. The waves in the lake were calm and _____ (strong).

3. Prepositions : Fill in the blanks with the correct preposition:

1. She is sitting _____ the table and eating an apple.
2. They will construct a road that will pass _____ a tunnel in the mountain.
3. The book is _____ the knick knacks lying on the shelf.
4. He apologized _____ his mistakes.

4. Determiners : Fill in the blanks with the correct determiner:

1. _____ of the students passed the test. (Some/Any)
2. I don't have _____ money left. (any/some)
3. Please give me _____ advice. (some/a few)
4. _____ person can achieve success with hard work. (Any/Each)

5. Modals : Choose the correct modal:

1. You _____ (should/may) finish your homework before going out.
2. He _____ (can/could) swim very well when he was young.
3. Students _____ (must/might) wear uniforms in school.
4. _____ (Would/Can) you help me with this project?

6. Auxiliary Verbs

Fill in the blanks with the correct auxiliary verb:

1. I _____ (am/was) working on the assignment yesterday.
2. She _____ (has/have) never visited Paris before.
3. They _____ (are/is) planning to go on a trip.
4. _____ (Do/Does) you like reading novels?

7. Homophones : Choose the correct homophone:

1. Please _____ (write/right) your name on the paper.
2. This shop doesn't _____ (sell/cell) phones.
3. There are _____ (two/too) apples left in the basket.
4. Thieves _____ (steal/steel) from the jewelry store.

8. Prefix and Suffix : Add the correct prefix or suffix:

1. He is a _____ (honest) person.
2. She was very _____ (help) during the crisis.
3. The book has an _____ (ordinary) story for children.
4. They fought against _____ (justice).

9. Conjunctions

Fill in the blanks with the correct conjunction:

1. I stayed home _____ I was feeling unwell. (because/so)
2. She is talented _____ hardworking. (and/but)
3. You can either take the bus _____ walk to school. (or/and)
4. He _____ wanted to join the team, _____ wished to be the captain. (not only...but also / no sooner...than)

10. Read lessons 7, 19 and 21 from your English Literature book.

HINDI WORKSHEET

प्रश्न1. अविकारी व उसके भेदों का एक चार्ट पेपर तैयार करें।

या

कारक व उसके भेदों का चार्ट पेपर तैयार करें।

प्रश्न2. दिए गए चित्रों को ध्यानपूर्वक देखकर मन में उभरने वाले विचारों को अपने शब्दों में स्पष्ट कीजिए।



प्रश्न3. कहानी लेखन

'मेरे जीवन पर सोशल मीडिया का प्रभाव' विषय पर कहानी तैयार कीजिए।

'युवा पीढ़ी : देश का भविष्य' विषय पर एक लेख तैयार कीजिए।

प्रश्न4. ईमेल का प्रारूप तैयार कीजिए

प्रश्न5. अपने मित्र को अपनी जन्मदिन की पार्टी के लिए निमंत्रण देने हेतु ई-मेल लिखिए।

प्रश्न6. निम्नलिखित अशुद्ध वाक्यों को शुद्ध कीजिए।

क. ईश्वर अन्यत्र उपस्थित हैं।

ख. मुझे बहुत आनंद आई।

- ग. मनुष्य सबसे सुंदरतम रचना है।
घ. वह हाथ मलकर मेरे पीछे पड़ा है।
ङ. उसे मृत्यु दंड की सजा मिली है।
च. मैंने आज विद्यालय नहीं जाना।
छ. नाना जी आ गया है।
ज. अच्छा धूप खिला है।
झ. मुझे पचास रुपया चाहिए।
ञ. दीपक ने अपना हस्ताक्षर किया।

MATHS WORKSHEET

General Instructions:-

- Questions contain internal choices
- Attempt all questions

1. Mensuration:

Write the given formulas:

- Area of trapezium--.....
- Area of rhombus--.....
- Surface area of cube--.....
- Total Surface area of cuboid--.....
- Lateral Surface area of cuboid--.....
- Total Surface area of cylinder--.....
- Lateral Surface area of cylinder--.....
- Total Surface area of hollow cylinder--.....
- Volume of cube--.....
- Volume of cuboid--.....
- Volume of cylinder--.....
- Volume of hollow cylinder--.....

2. Exponents and Powers:

Write all the laws of Exponents.

3. Direct and Inverse Proportions:

Fill in the blanks:

- If $x \times y = 7$ then x and y are in.....proportion.
- If $x/y = 7$ then x and y are in.....proportion.

- c. The perimeter of a circle and its diameter vary.....with each other.
- d. When the speed remains constant, the distance travelled is..... ..Proportion to the time.

Solve the following:

- a. If 8 mangoes cost ₹96, how many mangoes can be brought for ₹300.
- b. 100 persons had food provision for 24 days. If 20 persons left the place, the provision will last for how many days?
- c. If x and y vary inversely and $x=10$ when $y=6$, when $x=20$, y equals to:
- d. If 36 persons can do a piece of work in 25 days, in how many days will 15 men do the same work?

S.S.T WORKSHEET

Q1) Multiple Choice Questions:

- a. In which year Sanskrit college was established at Banaras
1) 1790 2) 1791 3) 1792 4) 1793
- b. Dada bhai Nauroji laid the foundation for female education in
1) Poona 2) Bengal Bengal 3) Bombay 4) Calcutta
- c. The present population of the world is approximately
1) 4 billion 2) 10 billion 3) 8.1 billion 4) 1 billion

Q2) Fill in the blanks:

- 1. _____founded the Asiatic Society of Bengal.
- 2. Silicon Valley of_____ was earlier known as Stanford Industrial Park.
- 3. The number of females per thousand males is known as_____.

Q3) State True or False:

- 1. Ishwar Chandra Vidyasagar and Raja Rammohan Rai discouraged women from remarrying.
- 2. The Second World War broke out in August 1936.
- 3. Migration is the movement of people within a country.

Q4) Very Short Answer Questions:

- 1. Write a short note on Mahatma Gandhi's ideas of education.
- 2. List out the factors responsible for the Rapid growth of world population.
- 3. Why did curzon want to partition Bengal?
- 4. Why do people prefer to live in plains?

Q5) Short Answer Questions:

- 1. List some human factors that influence the location of the industry.
- 2. What was the significance of Khilafat and non cooperation movement?
- 3. Explain the Indian caste system. How did it harm Indian society?

Q6) Long Answer Questions:

- 1. Analyse four weaknesses of British Education Policy.

2. How could you distinguish between a productive and dependent population?

COMPUTER WORKSHEET

Q1. Choose the correct option.

- a) Which keyword is used to create a user defined function - _____
(i) Create (ii) Define (iii) Def (iv) Call
- b) The statement that sends back a value from a function is - _____
(i) print (ii) def (iii) return (iv) provide
- c) The default foreground color for an image in Photoshop 2022 is - _____
(i) blue (ii) white (iii) red (iv) black
- d) The brush tool pencil tool gradient tool and paint bucket tool are grouped as _____
(i) selection tools (ii) painting tools (iii) drawing tools (iv) coloring tools
- e) The default layer that appears when you create a new image in Photoshop is - _____
(i) background layer (ii) filter layer (iii) text layer (iv) new layer
- f) You cannot change the order blending mode or opacity of a - _____
(i) top layer (ii) recent mostlayer (iii) background layer (iv) new layer
- g) The connections of the biological neurons are modelled in artificial neural networks as _____
(i) Weight (ii) Heights (iii) Areas (iv) Points
- h) Which of these is not a layer in an ANN - _____
(i) Input (ii) Data (iii) Output (iv) Hidden

Q2. State true or false-

- a) More than one value can be returned by a function.
b) A function may or may not return a value.
c) The switch icon in the tool panel lets you set the foreground and background color.
d) The pencil tool works exactly the same as the brush tool.
e) A filter applied to an image cannot be removed.
f) The Dodge tool creates an effect of moving a finger through wet paint.
g) Natural Language Processing is the ability to process natural, human created text.
h) Association rules is a technique used for data mining.

Q3. Fill in the blanks-

- _____ keyword is used to define a function.
- a) The function that lets you add a list to another list is _____
b) The _____ displays options for the currently selected tool.
c) You can draw customized shapes such as stars and arrows by using the _____ tool.
d) A single selected layer is called _____ layer.
e) The _____ type tool lets you insert text in the vertical direction.

f) Deep learning is a subset of _____.

g) The data mining technique used to assign classes to objects is _____.

SCIENCE WORKSHEET

Topics: Chemical Effects of Electric Current & Some Natural Phenomena

Task 1: Research and Explore

Research five everyday applications of chemical effects of electric current (e.g., electroplating, electrolysis).

Write a short explanation for each, including how it works and its importance.

(Tip: Use examples like electroplating of jewelry or purification of metals.)

Task 2: Hands-On Experiment

Perform a simple experiment at home to test the conduction of electricity in liquids:

1. Collect liquids like saltwater, lemon juice, and vinegar.
2. Use a small circuit with a bulb or LED to test which liquids conduct electricity.
3. Record your observations in a table format and identify conductors and insulators.

Task 4: Problem-Solving Questions.

A. Chemical Effects of Electric Current

1. Why is pure water a bad conductor of electricity, while saltwater is a good conductor?
2. Explain the process of electroplating.