



Yuvashakti Model School

इशोरइशर वर इररइरररररर

Sector-III, Rohini, Delhi-I | 0085

SUMMER HOLIDAYS HOMEWORK - 2023 - 24

"Arise, Awake and stop not till the Goal is reached."

"Learn, refine your skills and focus on your growth"

CLASS – IX

ART INTEGRATION PROJECT

To showcase the rich heritage and culture, customs and traditions of India and enable the students to understand and appreciate this diversity, prepare an Art Integration Project on Lakshadweep & Andaman Nicobar Islands on the theme mentioned below according to your Roll number.

(Choose any one prescribed format- A4 Sheet/Word document/PPT)

(Hard Copy in each case to be submitted to HRT)

- R.No. 1-10 Show the location, formation, Characteristic features using Map/Illustration for these group of islands.
- R.NO. 11-20 Prepare a pie chart to demonstrate various economic activities in that region
- R.NO. 21-30 Prepare a collage of Biodiversity richness of these group of islands.
- R.NO.31-40 Prepare a brochure to promote tourism in both islands.
- R.NO. 40 onwards Prepare a mosaic or sketch various dance forms in these islands.

ENGLISH

Q1. Students are directed to read newspapers and magazines daily and update themselves with current affairs.

Q2. Revise all the work done in the class.

Q3. Do practice of omission, editing and gap filling from English Plus (reference book).

Q4. Do practice of descriptive paragraph from English Plus (reference book).

Q5. Revise all the chapters of Unit Test –I from Beehive and Moments.

Q6. Do the given questions in the grammar register:

1. Read the passage and answer the following questions.

School used to be all about writing, whether it was the exercise books we wrote in or the notes we passed. But not anymore. Now it's all about writing. Learning your QWERTY is almost as important as learning your ABCs.

So when my daughter came home last year with cursive handwriting homework, she was baffled. Cursive writing was originally developed to make it easier for children to write with a pen. By joining the letters, she kept the quill on the parchment and minimized ink stains. But my daughter writes with a laptop.

Research suggests that the process of writing information on paper, by hand, has a more direct effect on the formation of memories in the learning process than typing. Taking notes in class is still the most effective way to learn. It's a better way to store written language skills in a child's brain than pressing keys.

But that doesn't mean one should get rid of computers. Children should be taught to type from the beginning. Learning is aided by the physical act of writing. Authors often write their first draft by hand. If it has to do with the rhythm of thought, or some kind of stimulation that the physical act has, we don't know. But it is a fact.

The French would no doubt agree. They love their letter. Teachers in France believe that fluency with a pen 'unblocks the mind' and spend more time writing than reading between the ages of three and eight.

We teach children the formation of letters and the proper joining strokes. But after a few years we leave them to their own devices, just as the writing workload begins to increase. That's when bad habits set in.

But as proper handwriting becomes more rare, spending some time improving your handwriting is a wise investment. In the future, sending a handwritten letter will be a display of wealth and class, which is why the sale of fountain pens is reviving.

- a. Why is writing not given much importance today?
- b. Why was the author taken aback when his daughter came home with her homework handwritten in cursive?
- c. Why was cursive writing introduced?
- d. How is taking notes better than typing?
- e. What causes the 'bad habit' to be established?
- f. What does the resurgence of fountain pen sales show?
- g. Although children are taught to write at an early age, they do not have legible handwriting when they grow up as _____.
- h. Learning its QWERTY means _____.

2. One word has been omitted in each line. Write the omitted word along with the word that comes before and the word that comes after in the correct blank number as shown in the example.

	Before	Missing Word	After
India must be the country in the world has so many festivals. All through the year are celebrated in such a variety ways. People exchange sweets, decorations gifts. People different communities get together and themselves.	the	only	country
	a) .....	.....	.....
	b) .....	.....	.....
	c) .....	.....	.....
	d) .....	.....	.....
	e) .....	.....	.....
	f) .....	.....	.....

3. Read the sentences given below and fill in the blanks by choosing the most appropriate options from the ones that follow.

a) She (1) _____ read 300 words per minute which is more than the average reading speed. It's a wonder. A group of teachers (2) _____ critical about her. Then we met Maurice (3) _____ strategies works like magic wand (4) _____ help Nova start reading.

Options:

1. could / shall / can / will
2. were / are / is / was
3. who / that / which / whose
4. for / to / in / a

b) It was a rainy day. Traffic (a)..... busy on the road. A (b)..... hit a car badly in the market. Five commuters were badly injured while one person (c).....on the spot.

The injured persons were taken to the nearest hospital. The local people were of great help.

Options:

- (a) will be / was / is / has been
(b) speeding bus/ sped up bus / speed bus/speeded bus
(c) had died / was died /died / is died

4.The following passage has not been edited. There is one error in each line. Write the incorrect word and the correction against the correct question number.

	Incorrect	correct
In the traditional sense prayer meant communicating on God Almighty.	a) .....	.....
It includes the devotions, verbal but mental prayers that are saying.	b) .....	.....
There are various ways and forms to prayer and meditation, vocal prayers, etc.	c) .....	.....
But the fundamental either the base of prayer are not any of these.	d) .....	.....
	e) .....	.....
	f) .....	.....
	g) .....	.....
	h) .....	.....

5. Look at the words and phrases given below. Rearrange them to form meaningful sentences.

1. (a) pillars/there/human life/man/of/woman/and/are/two
(b) both/in the making of/share/responsibility/equal/the/society
(c) both/each other/hence/are/supplementary/to
2. (a) uppermost/soil/layer/is/earth/the/of/the
(b) it/plants/which/supports/food/provide/all living things/to/planet/on/this
(c) soil/thus/foundation/earth/life/on/of/is/the/all
3. (a) people/look at/tend to/you look/the way/yourself/at/you
(b) brought up/oliver/was/workhouse/orphanage/run by/the/an/in
(c) from the very beginning/status of women/there/but/question mark/has been/a/big/the/ an/in our society.
6. Plan a visit with your family to 'Delhi Darshan Park' in Panjabi Bagh. Paste pictures and give detailed description of the park.

हिंदी

- हमारे आस – पास बहुत से जीव – जंतु रहते हैं, आवश्यकतानुसार उनकी रक्षा करनी चाहिए। 'गिल्लू' पाठ के आधार पर 100 शब्दों में अनुच्छेद लिखिए।
- ग्रीष्मावकाश में नाना – नानी जी से मिलने जाने की सूचना देते हुए नाना जी को पत्र लिखिए।
- आपको छुट्टियों में किसके घर जाना अच्छा लगता है और क्यों? अपने मित्र के साथ संवाद लिखिए।
- 'दुख का अधिकार' पाठ से अनुस्वार और अनुनासिक वाले दस-दस शब्द लिखिए।
- जीवन पर आधारित रहीमजी के 6 मौलिक दोहे अर्थ सहित चार्ट पर लिखिए अथवा पीपीटी बनाइए।
- पढ़ाए गए पाठों की पुनरावृत्ति और व्याकरण अभ्यास कीजिए।

निर्देश ; समस्त लेखन कार्य A – 4 पृष्ठ पर ही करने हैं।

MATHEMATICS

1. Represent $\sqrt{5}$ on a number line.
2. Write three rational number between $\frac{1}{9}$ and $\frac{2}{9}$
3. Simplify $\sqrt{72} + \sqrt{800} - \sqrt{18}$
4. Find the value of $(81)^{0.16} \times (81)^{0.09}$
5.
$$\frac{2^{30} + 2^{29} + 2^{28}}{2^{31} + 2^{30} - 2^{29}} = \frac{7}{10}$$
6. Simplify
$$\frac{(25)^{\frac{3}{2}}}{16^{\frac{4}{3}}} \times \frac{243^{\frac{3}{5}}}{8^{\frac{3}{3}}}$$
7. Show that
$$\frac{x^{a(b-c)}}{x^{b(a-c)}} \div \left[\frac{x^b}{x^a} \right]^c = 1$$
8. Find the value of x. If $5^{x-3} 3^{2x-8} = 225$
9. Find the value of a and b
$$\frac{3+\sqrt{7}}{3-\sqrt{7}} = a+b\sqrt{7}$$
10. Simplify
$$\frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}} + \frac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$$
11. Prove that $a^3-b^3=(a-b)(a^2+b^2+ab)$
12. Factorise a^2-b^2-a-b
13. Show that $(x-3)$ is a factor of the polynomial $x^3-3x^2+4x-12$
14. Factorise $2y^3+y^2-2y-1$
15. Factorise $4x^2+9y^2+16z^2+12xy-24yz-16xz$
16. Write the following cubes in expanded form.
(a) $(2x+1)^3$ (b) $(2a-3b)^3$
17. Factorise the following using suitable identities a^4-16b^4
18. Simplify $(a+b)^3-(a-b)^3$
19. Evaluate the following products without multiplying directly
(a) 104×96 (b) 102×98
20. Find the value of k, if $x - 1$ is a factor of $p(x)$
 $P(x)=2x^2+kx+\sqrt{2}$

NOTE: The Holiday Homework should be done in A4 sized ruled sheet.

SCIENCE

1. **Chemistry**- Do experiment 1,2,3,6,11 in file.
 2. **Physics** - Do experiment 7,8,9,10 in file.
 3. **Biology** - Do experiment 4,5 in file.
- Note** 1-Physics , Chemistry & Biology experiments to be done separately in same Practical file.
2-Do not write procedure.
3-Do the given assignment in respective notebooks

PHYSICS

- Q1. Which of the following statements is correct?
(a) Both speed and velocity are same
(b) speed is a scalar and velocity is a vector
(c) speed is a vector and velocity is scalar
(d) none of these
- Q2. A bus starting from rest moves with a uniform acceleration of 0.1 ms^{-2} for 2 minutes. Find
(a) the speed acquired (b) the distance travelled.
- Q3. A train is travelling at a speed of 90 km/h. Brakes are applied so as to produce a uniformly acceleration of -0.5 ms^{-2} . Find how far the train will go before it is brought to rest.
- Q4. What is the nature of the distance-time graphs for uniform and non-uniform motion of an object?
- Q5. What can you say about the motion of an object whose distance-time graph is a straight line parallel to the time axis?
- Q6. Differentiate between (a) Uniform & Non Uniform motion
(b) Speed & Velocity
- Q7. The odometer of a car reads 3000 km at the start of a trip and 3500 km at the end of the trip. If the trip took 10 h, calculate the average speed of car.

CHEMISTRY

- Q1. Why do doctors advise to put strips of wet cloth on the forehead of a person having fever?
- Q2. Why do we feel comfortable under a fan when we are perspiring?
- Q3. Name the state of matter in which
(a) layers of particles can slide and slip over one another.
(b) particles just move around randomly because of very weak force of attraction.
- Q4. Why do trees acquire more leaves during summer?
- Q5. Substance 'A' has high compressibility and can be easily liquefied. It can take up the shape of any container. Predict the nature of the substance. Enlist 4 properties of the state of matter.
- Q6. A balloon when kept in sun, bursts after sometime. Why?

BIOLOGY

- Q1. Draw a neat labelled diagram of plant cell and label its parts.
- Q2. Give 5 points of difference between plant and animal cell.
- Q3. Why is plasma membrane called selectively permeable membrane ?
- Q4. Name the factor which decides the movement of water across the plasma membrane.
- Q5. Name the materials of which the cell membrane and cell wall are composed of.
- Q6. Why is cell called structural and functional unit of life ?
- Q7. Name the cell organelle for the following :
- (a) Present only in plant cell, provides strength and rigidity to the cell.
 - (b) It is the site for lipids synthesis and helps in detoxification of drugs.
 - (c) The inner membrane is folded to form cristae, it has its own DNA and proteins.
 - (d) It helps in the formation of lysosomes.
 - (e) It imparts colour to the fruit and flowers.

SOCIAL SCIENCE

Workbook:

Geography:Chapter-1, Page no-28,29,30

Economics: Chapter-1, Page no.-63,64,65

Make a project - Disaster Management , Page no.-76,77,78

Note:Learn ch-1, India: location and size(geography) Ch-1, The story of village

Palampur(economics) for UT-1.

Workbook:

History:Chapter-1 page no.-5,6,7

Civics:Chapter-1 page 45,46

Note: Learn Ch-1 French Revolution(history) and Ch-1 why democracy? What is democracy?(civics) for UT-1

FRENCH

Revise all the topics done in class for UT-1.

Do following Exercises in Entre jeune

P-33 Q-1

P-49 Q-8,9

P-52 Q-11

P-71 Q-2

P-149 Q-6

P-155 Q-5 ,6

P-161 Q-5

