



USPC JAIN PUBLIC SCHOOL

HOLIDAYS HOMEWORK (JUNE 2026)

CLASS-XI

Refreshing Activities



01

Get up early in the morning and enjoy the beauty of sunrise.



02

Do yoga at sunrise or sunset.



03

Plan nature Outing and capture its beauty in camera.



04

No tech days with the parents or friends.



05

Create a mini herb garden on the roof top of your house plan.



06

Try a new skill like drawing, coding, cooking or a new language.



07

Go for outdoor games with your friends.



08

Write the three things daily in your pocket Diary for which you are grateful.



09

Go for virtual travel and learn about a new country. It's food, language and culture.



10

Read English newspaper daily and choose 3 headlines.

Holiday Reminder

- ✓ Complete your holiday homework on time
- ✓ Revise important concepts regularly
- ✓ Avoid excessive mobile usage
- ✓ Stay safe and hydrated during hot weather



“ Use this time to *relax, reflect and grow.*
The best version of *you* is in the making! ”

News Hunt Challenge

Enrich Your knowledge and discover what's happening around you!

Activity Time

- Read English newspaper daily and choose 3 headlines.
- Cut them neatly and paste them in your scrapbook.



Make It Creative!

- Decorate each headline using colourful borders, stickers, sketches, or highlighters.
- Add your date and thoughts to each one.



Remember

- Keep your work neat and attractive.
- Choose meaningful and informative news.
- Let your scrapbook show your creativity and awareness.





USPC JAIN PUBLIC SCHOOL

HOLIDAYS HOMEWORK ASSIGNMENT – 1

CLASS – XI

SUBJECT – ENGLISH

♥ Read • Write • Think • Express • Grow ♥



TASK 1

REVISION

Revise all chapters covered till now.



TASK 2

LITERATURE: QUESTIONS

A. SHORT QUESTIONS (Answer any 4)

- ★ 1. What does a photograph reveal about the passage of time and memory?
- ★ 2. How do people show resilience and unity during a crisis?
- ★ 3. What role does silence or absence play in expressing loss?
- ★ 4. How do children contribute to building hope in challenging situations?



B. LONG QUESTIONS (Answer any 2)

- ★ 1. Discuss how determination and teamwork can help overcome extreme challenges. Support with textual references. (Answer in 80–100 words)
- ★ 2. “One day back there in the good old days when I was nine and the world was full of every imaginable kind of magnificence, and life was still a delightful and mysterious dream.....”

The story begins in a mood of nostalgia. Can you narrate some incident from your childhood that might make an interesting story?

(Answer in 80–100 words)



TASK 3

GRAMMAR & ACTIVITY

A. GRAMMAR

Fill in the blanks by choosing the correct option.

- a. Certainly / the / laughter / is / medicine / best.
- b. ensures / life / it / longer / and / healthier / a.
- c. laughter / fact / is / in / a / panacea / for / diseases / all.
- d. lowers / pressure / by / circulation / it / blood / increasing / blood.
- e. a sense / and / promotes / of / stress / well-being / laughter / decreases.

B. ACTIVITY

Cut and Paste all types of Classified Advertisement from newspaper and paste it in your Activity Notebook and solve one example of each type.



USPC JAIN PUBLIC SCHOOL
HOLIDAYS ASSIGNMENT

CLASS: XI

SUBJECT: MATHEMATICS

TASK - 1

Revise all chapters covered up till now in the class.

TASK – 2

Solve the following questions:

1. A milkman has 80% milk in this stock of 800 liters of adulterated milk. How much 100% pure milk is to be added to it so that purity is between 90% and 95%?
2. If $A = \{1, 3, 5, 7, 9, 11, 13\}$, $B = \{2, 4, 6, 8, \dots, 14\}$ and N is the universal set, find $A' \cup ((A \cup B) \cap B')$.
3. Write the set $\left\{\frac{1}{2}, \frac{2}{9}, \frac{3}{28}, \frac{4}{65}, \frac{5}{126}, \frac{6}{217}\right\}$ in set builder form.
4. Find the domain and range of the following functions:
i. $1 - |x - 3|$ ii. $\frac{3}{2-x^2}$ iii. $\sqrt{9-x^2}$ iv. $\frac{1}{\sqrt{x-3}}$
5. Find the complex conjugate, modulus and multiplicative inverse of $\frac{(8-3i)(6-i)}{2-2i}$.
6. Draw the graph of modulus function, signum function and $f(x) = \frac{1}{x}$.
7. Draw the graph of the following function:
$$F(x) = \begin{cases} -x-1 & \text{if } x < -2 \\ x+1 & \text{if } -2 \leq x \leq 1 \\ 3 & \text{if } x > 1 \end{cases}$$
8. Let $A = \{1, 2, 3, 4\}$, $B = \{1, 2, 3\}$ and $C = \{2, 4\}$, find all subsets X such that
(a) $X \subseteq B$ and $X \subseteq C$ (b) $X \subseteq A$ and $X \not\subseteq B$ (c) $X \subseteq A$, $X \subseteq B$ and $X \subseteq C$
9. For what values of x and y are the numbers $-3 + ix^2y$ and $x^2 + y + 4i$ complex conjugates of each other?
(x, y are real numbers.)
10. Let $A = \{a, b, \{c, d\}, e\}$. Which of the following statements are false and why?
i. $\{c, d\} \subset A$ ii. $\{a, b, c\} \subset A$ iii. $\Phi \in A$ iv. $\{\{c, d\}\} \subset A$ v. $\Phi \subset A$
vi. $\{a, b, e\} \in A$ vii. $b \in A$ viii. $\{\Phi\} \subset A$

TASK - 3

ACTIVITY:

- (i) To represent set theoretic operations using Venn diagrams.
- (ii) To identify a relation and a function.
- (iii) To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers.



USPC JAIN PUBLIC SCHOOL

Physics Holiday Homework for XI

TASK - 1

Revision of chapter 1 and 2.

- Revise all formulas and prepare formula sheet.
- Practice numerical problems from notebook and textbook.

FORMULA SHEET

$$F = ma$$

$$v = u + at$$

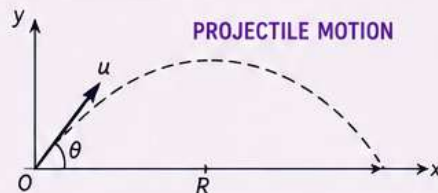
$$s = ut + \frac{1}{2}at^2$$

$$E = mc^2$$

TASK - 2

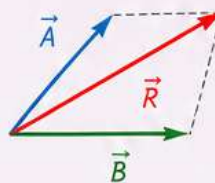
INVESTIGATORY PROJECT

1. To study type of motion and plot the graph describing it.
2. To study law of vector addition.
3. To study projectile motion.
4. To study circular motion (including centripetal acceleration and banking of road).
5. To study friction (including its type and applications)
6. To study Kepler's law of planetary motion.
7. To study stress vs strain curve for different material.
8. To study fluid dynamics (including equation of continuity and energy conservation Theorem (Bernoulli's Theorem)).
9. To study fluid statics (including Pascal's law and application and Gauge pressure).
10. To study Thermodynamic processes.

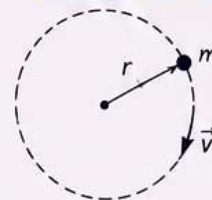


PROJECTILE MOTION

VECTOR ADDITION



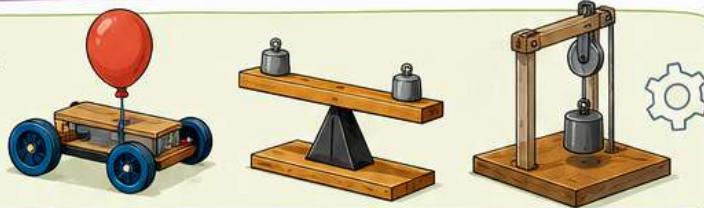
CIRCULAR MOTION



TASK - 3

PREPARE WORKING MODEL

- Make a simple and innovative Physics working model.
- Model should demonstrate a scientific principle clearly.



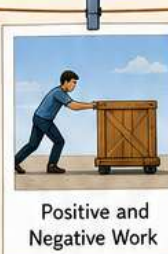
TASK - 4

ACTIVITIES

- Watch one science documentary and write review.
- Create a working model from simple materials.
- Spend few minutes daily observing nature.
- Click 10 photographs showing science concepts in real life like Energy conservation, positive and negative work types of motion, etc.
- Observe science around you and write few example with pictures.



Energy Conservation



Positive and Negative Work



Types of Motion

INSTRUCTIONS



Maintain neatness and proper presentation.



Submit all work after the summer vacation.



Use colored headings and diagrams wherever required.



USPC JAIN PUBLIC SCHOOL

HOLIDAYS ASSIGNMENT

CLASS:XI

SUBJECT:CHEMISTRY

TASK-1

Revise all chapters covered up till now in class.

TASK-2 Assignment Questions:

1. Define the following terms:

- (a) Mole Concept
- (b) Molar Mass
- (c) Empirical Formula

2. State the law of conservation of mass with an example.

3. Differentiate between homogeneous and heterogeneous mixtures.

4. Calculate the number of moles in 44g of CO_2 .

5. Calculate the molar mass of H_2SO_4 .

6. A sample of oxygen gas contains 3.01×10^{23} molecules. Calculate the number of moles.

7. Calculate the percentage composition of water (H_2O).

8. Find the empirical formula of a compound containing 40% carbon, 6.7% hydrogen, and 53.3% oxygen.

9. A compound contains 9g of aluminum and 35.5g of chlorine. Find its empirical formula.

NOTE: WRITE ANSWERS OF ALL QUESTIONS IN YOUR CW NOTEBOOK.

TASK-3 INVESTIGATORY PROJECT WORK:

Student will prepare a handwritten Investigatory Project Report on the given topic according to their Roll Number.

ROLL NUMBER								PROJECTS
1	6	11	16	21	26	31	36	a) Checking the bacterial contamination in drinking water by testing sulphide ion.
2	7	12	17	22	27	32	37	b) Study of the methods of purification of water.
3	8	13	18	23	28	33	38	c) Testing the hardness, presence of Iron, Fluoride, Chloride, etc., depending upon the regional variation in drinking water and study of causes of presence of these ions above permissible limit (if any).
4	9	14	19	24	29	34	39	d) Investigation of the foaming capacity of different washing soaps and the effect of addition of Sodium carbonate on it.
5	10	15	20	25	30	35	40	f) Determination of the rate of evaporation of different liquids.

USPC JAIN PUBLIC SCHOOL

Holidays Assignment

CLASS -XI

SUBJECT-BIOLOGY

TASK-1

Revise all the chapters covered up till now in the class.

TASK-2(Assignment questions)

WRITE THE ANSWERS IN YOUR CW NOTEBOOK.

1. Name the plants with:
 - a.Haplontic life cycle
 - b.Diplontic life cycle
 - c.Haplo-diplontic life cycle
2. What are male and female sex organs in Bryophytes called as?
3. Why are bryophytes considered amphibians of the plant kingdom?
4. Differentiate between Red algae, green algae and brown algae?
5. Mycorrhiza and coralloid roots are found in which plants? What do these terms mean?
6. How are pneumatic bones and air sacs important in aves?
7. Provide a technical term for the following:
 - a. Blood filled cavity in arthropods
 - b. A stinging organ of jellyfish
 - c. Free-floating form of Cnidaria
 - d.Lateral appendages in aquatic annelids
8. What is bioluminescence? Give an example.
9. Draw classification chart of phylum chordata.
10. Identify the picture and explain the types of reproduction in same.



Task-3 (To be done in a scrap book)

Activity: Make a herbarium file with 10 plant species from nearby garden. Mention their scientific name, common name, important features and their benefits.

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HOLIDAYS ASSIGNMENT

CLASS: XI

SUBJECT: PHYSICAL EDUCATION

TASK - 1

Revise all chapters covered up till now in the class.

TASK - 2

1. Answer the following short questions in 30-40 words:

- a. Name some technological advancement in sports.
- b. Write any four objectives of Physical Education.
- c. Who started the modern Olympics Games?
- d. What is the Olympic Motto and Maxim?
- e. Define Yoga.
- f. What is Yamaha?

2. Answer the following long questions in 80-100 words:

- a. What is the aim of Physical Education?
- b. Write a note on the teaching career in Physical Education.
- c. Write a short note on NOC.
- d. Write the technique of doing Jala Neti.

NOTE: WRITE THE ANSWERS OF ALL QUESTIONS IN YOUR CW NOTEBOOK.

TASK - 3

Practical work

1. Fitness Test (BMI)
2. Procedure for Asanas, benefits and contra indications for any two Asanas for each lifestyle disease.
3. Any one IOA recognised sport/games of choice. Labelled diagram of field and equipment. Also mention its rules, Terminologies and skills.

NOTE: DO THE PRACTICAL WORK IN YOUR PRACTICAL FILE.

USPC JAIN PUBLIC SCHOOL

HOLIDAYS ASSIGNMENT

CLASS: XI

SUBJECT: PAINTING

TASK-1:

Revise Chapter-2 Indus Valley Civilization.

TASK-2:

1. Prepare one sheet of **"Dot Painting"**.
2. Use your imagination and draw a **beautiful "Mandala Painting"**.

Note: Use a suitable background colour while drawing and painting.