



USPC JAIN PUBLIC SCHOOL

HOLIDAYS HOMEWORK (JUNE 2026)

CLASS-XII

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

CLASS XII – ENGLISH

SUMMER HOLIDAYS HOMEWORK

JUNE 2026

♥ Read • Write • Think • Express • Grow ♥



TASK 1

REVISION

1. Revise all chapters covered till now.



TASK 2

LITERATURE: QUESTIONS

A. SHORT QUESTIONS (Answer any 6)

- ★ 1. What is the significance of the title 'The Third Level'?
- ★ 2. Why did Charley visit the psychiatrist Sam, and what did Sam suggest?
- ★ 3. Describe the appearance and setting of the third level as described by Charley.
- ★ 4. What does the poet mean by 'keeping quiet'?
- ★ 5. Who is Sachet and what is his dream?
- ★ 6. What reasons does the author give for children not wearing footwear?



B. LONG QUESTIONS (Answer any 2)

- ★ 1. Charley experiences a strange phenomenon while at Grand Central Station. Do you think he is escaping reality, or is there a deeper psychological meaning to his experience? (Answer in 80–100 words)
- ★ 2. Anees Jung's 'Lost Spring' highlights the sufferings of poor children forced into labour. Discuss how the story brings out the callousness of society and the need for change. (Answer in 80–100 words)

TASK 3

WRITING & ACTIVITY

A. WRITING TASK

Write a letter to the Editor of a national daily expressing concern over the growing menace of ragging in colleges. Suggest preventive measures. (Word Limit: 120–150 words)



B. ACTIVITY

- ★ Draw a flow chart based on any chapter.
- ★ Write your views on the chapter in about 100 words.



READ TODAY, LEAD TOMORROW!

USPC JAIN PUBLIC SCHOOL

HOLIDAYS ASSIGNMENT

CLASS-XII

SUBJECT-MATHEMATICS

TASK-1

Revise all chapters covered up till now in class.

TASK – 2(Assignment questions)

ANSWER THE FOLLOWING QUESTIONS IN YOUR CW NOTEBOOK:

a) Define the relation R in the set $N \times N$ as follows:

For $(a, b), (c, d) \in N \times N$, $(a, b) R (c, d)$ iff $ad = bc$. Prove that R is an equivalence relation in $N \times N$.

b) Prove that the function $f: [0, \infty) \rightarrow [-5, \infty)$ defined as $f(x) = 4x^2 + 4x - 5$ is both one-one and onto.

c) Show that the function $f: R \rightarrow R$ defined by $f(x) = |x| + x$ is neither one-one nor onto. Also find the range of f.

d) Determine whether the relation R defined on the set R of all the real numbers as $R = \{(a, b) : a, b \in R \text{ and } a - b + \sqrt{3} \in S \text{ where } S \text{ is the set of all irrational numbers}\}$ is reflexive, symmetric and transitive.

e) Find x and y, if $A = \begin{bmatrix} 1 & -1 \\ 2 & -1 \end{bmatrix}$, $B = \begin{bmatrix} x & 1 \\ y & -1 \end{bmatrix}$ and $(A + B)^2 = A^2 + B^2$.

f) Find A such that $\begin{bmatrix} 2 & -1 \\ 1 & 0 \\ -3 & 4 \end{bmatrix} A = \begin{bmatrix} -1 & -8 \\ 1 & 2 \\ 9 & 22 \end{bmatrix}$.

g) Find the co-factor of a_{12} in the following :

$$\begin{vmatrix} 2 & -3 & 5 \\ 6 & 0 & 4 \\ 1 & 5 & -7 \end{vmatrix}$$

h) Solve the following system of equations:

$$\frac{2}{x} + \frac{3}{y} + \frac{10}{z} = 4, \frac{4}{x} - \frac{6}{y} + \frac{5}{z} = 1, \frac{6}{x} + \frac{9}{z} - \frac{20}{z} = 2.$$

i) If $A = \begin{bmatrix} 3 & -4 & 2 \\ 2 & 3 & 5 \\ 1 & 0 & 1 \end{bmatrix}$, find A^{-1} and hence solve the following system :

$$3x - 4y + 2z = -1, 2x + 3y + 5z = 7, x + z = 2.$$

j) Find the product $\begin{bmatrix} 1 & -1 & 0 \\ 2 & 3 & 4 \\ 0 & 1 & 2 \end{bmatrix} \begin{bmatrix} 2 & 2 & -4 \\ -4 & 2 & -4 \\ 2 & -1 & 5 \end{bmatrix}$. Hence solve the $x - y = 3$, $3x + 4z = 17$, $y + z = 7$

TASK - 3

- Make a chart on the formulae of calculus.
- Do the following activities (discussed in class) in your activity notebook.
 1. To demonstrate a function not one-one but is onto.
 2. To demonstrate a function one-one but not onto.
 3. Draw the graph of $\sin^{-1} x$.
 4. Conditional probability of an event A, when event B already occurred by an example of rolling of dice.



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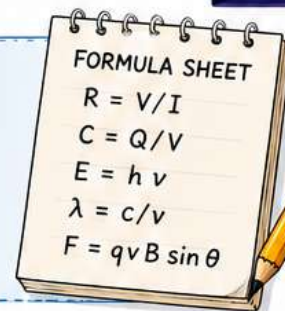
Physics Holiday Homework for XII



TASK - 1

Revision of chapter 1 and 2.

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



FORMULA SHEET

$$R = V/I$$

$$C = Q/V$$

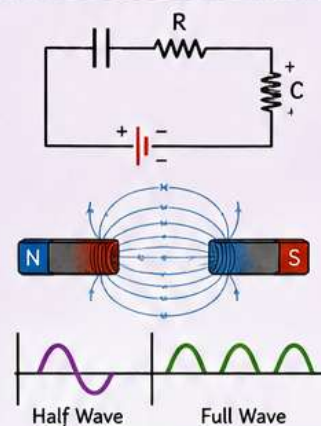
$$E = h \nu$$

$$\lambda = c/\nu$$

$$F = qvB \sin \theta$$

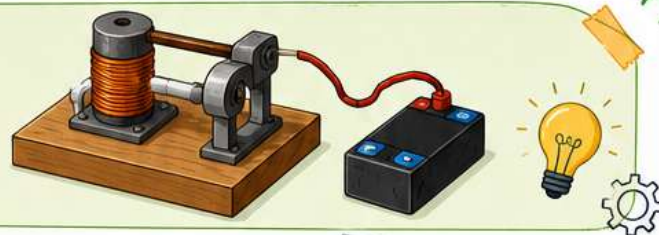
TASK - 2 INVESTIGATORY PROJECT

1. To study charging and discharging of a capacitor.
2. To study relationship between internal resistance and **emf**.
3. To study law of electromagnetic inductions.
4. To study working of Transformer.
5. To study moving coil Galvanometer.
6. To study electromagnetic spectra.
7. To study Total Internal Reflection.
8. To study photoelectric effect.
9. To study p-n junction characteristics
10. To study working Half wave and Full wave rectifier.



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 Total internal reflection, Dispersion, Scattering etc.
- Observe science around you and write few example with pictures.



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: XII

SUBJECT: CHEMISTRY

TASK-1

Revise all chapters covered up till now in class.

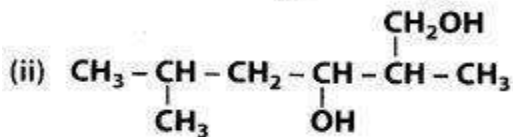
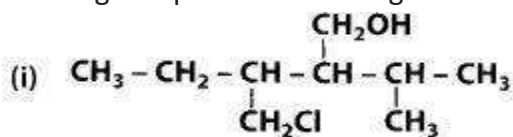
TASK-2

ANSWER THE FOLLOWING QUESTIONS IN YOUR CW NOTEBOOK.

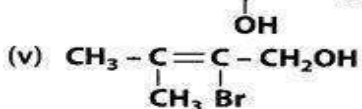
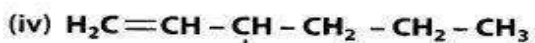
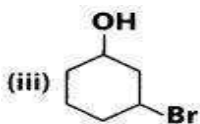
Read the given passage and answer the following questions:

The common name of an alcohol is derived from the common name of the alkyl group and adding the word alcohol. For example, CH_3O is methyl alcohol. According to IUPAC system the name of an alcohol is derived from the name of the alkane from which the alcohol is derived, by substituting 'e' of alkane with the suffix 'ol'.

1. Name the following compounds according to IUPAC system.



2. Write structures of the compounds whose IUPAC names are as follows:



- | | |
|---------------------------------------|---------------------------|
| (i) 2-Methyl butan-2-ol | (ii) 1-Phenyl propan-2-ol |
| (iii) 3,5-Dimethyl hexane-1,3,5-triol | (iv) 2,3-Diethyl phenol |

3. Explain why propanol has higher boiling point than that of the hydrocarbon, butane.
4. Alcohols are comparatively more soluble in water than hydrocarbons of comparable molecular masses. Explain this fact.
5. What is meant by hydroboration-oxidation reaction? Illustrate it with an example.
6. Out of 2-chloroethanol and 2-methoxyethanol which is more acidic and why?

TASK-3 INVESTIGATORY PROJECT WORK:

Prepare a handwritten Investigatory Project Report on the given topic according to your Roll Number.

ROLL NUMBER							PROJECTS	
1	6	11	16	21	26	31	36	a)Study of the presence of oxalate ions in guava fruit at different stages of ripening.
2	7	12	17	22	27	32	37	b)Study of quantity of casein present in Different samples of milk.
3	8	13	18	23	28	33	38	c)Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.
4	9	14	19	24	29	34	39	d)Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
5	10	15	20	25	30	35		e)Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chili powder and pepper.

USPC JAIN PUBLIC SCHOOL

Holidays Assignment

CLASS –XII

SUBJECT-BIOLOGY

TASK-1

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

TASK-2

ANSWER THE FOLLOWING QUESTIONS IN YOUR CW NOTEBOOK.

1. Suggest the reproduction-related aspects in which counselling should be provided at the school level.
2. The procedure of GIFT involves the transfer of female gamete to the fallopian tube. Can gametes be transferred to the uterus to achieve the same result? Explain.
3. All reproductive tract infections RTIs are STDs, but all STDs are not RTIs. Justify with example.
4. What are the Assisted Reproductive Techniques practised to help infertile couples? Describe any three techniques.
5. Explain incomplete dominance and co dominance.
6. Differentiate between (a) homozygous and heterozygous (b) dominant and recessive
7. Define and design a test-cross.
8. Two heterozygous parents are crossed. If the two loci are linked what would be the distribution of phenotypic features in F1 generation for a dihybrid cross?

TASK-3

(a) Activity: Investigatory project report on the given topic.

Roll no. 1-6

Case based report on common STDs, their symptoms, causative agents, precautions.

Roll no. 7-12

Detailed report on study of evolution of Man.

Roll no. 13-18

Case based report on Common ART (assisted reproductive technologies) used for sterile couples.

Roll no. 19-24

Report on emerging field of biology – Biotechnology and its uses to mankind in various fields.

Note: Use assignment sheets for making project file.

(b) Complete your practical file.

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HOLIDAYS ASSIGNMENT

CLASS-XII

SUBJECT-PHYSICAL EDUCATION

TASK-1

Revise all chapter covered up till now in the class.

TASK-2

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

- a) What is league or round robin tournament?
- b) What do you mean by extramurals?
- c) Briefly explain 'Health Run'.
- d) Name some common postural deformities.
- e) Write a note on menstrual cycle.

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

- a) Draw a knock out fixture of 27 teams and explain the advantage of knock out tournament.
- b) Discuss the various method used for drawing fixture in league tournament.
- c) Define female athlete triad. Write its causes. Explain its factors and symptoms in detail. Or Discuss in detail about Female athlete triad.
- d) Write down physical activities exercise guidelines for children under 5 year of age.
- e) Explain any two postural deformities and suggest their corrective measures.

TASK-3

Practical work

- 1. Fitness tests administration. (SAI Khelo India)
- 2. Procedure for Asanas, Benefits and Contraindication for any two Asanas for each lifestyle disease.
- 3. Anyone IOA recognised Sport/Game of choice. Draw a labelled diagram of field and equipments. Also mention its Rules, Terminologies and Skills.

NOTE: WRITE THE ANSWERS OF ALL QUESTIONS IN YOUR CW NB AND DO THE PRACTICAL WORK IN YOUR PRACTICAL FILE.

USPC JAIN PUBLIC SCHOOL

HOLIDAYS ASSIGNMENT

CLASS: XII

SUBJECT: PAINTING

TASK-1

Revise the Pahari School of miniature painting.

TASK-2

1. Design a creative cover for "**Art File**" using your imagination.
2. Prepare one "**Canvas Painting**" on any topic or theme.
3. Create a theme of "**Polygon Painting**" and colour accordingly.