

Holidays Home Work (Session 2022-23) (Pg 1 to 4)

Class -XII(Science)

Name: - _____

RollNo. _____

Dear students,
Greetings!!!

“Longer days and shorter nights Dark shades & brighter lights Favourite music & best friends Keep away pencils keep away Pens. Make these days the time of your life And make the nights just as right This time only comes once a year So live it up without inhibition and fear. This summer break try and make a difference”.

Appreciate Nature - Go for long walks in a park or garden with your family and friends.

Good manners are the key - Respect your parents, grandparents and all elders. Use three magical words (Sorry, Please and Thank you).

Stay Fit, Stay Healthy - Play your favourite game / sport regularly.

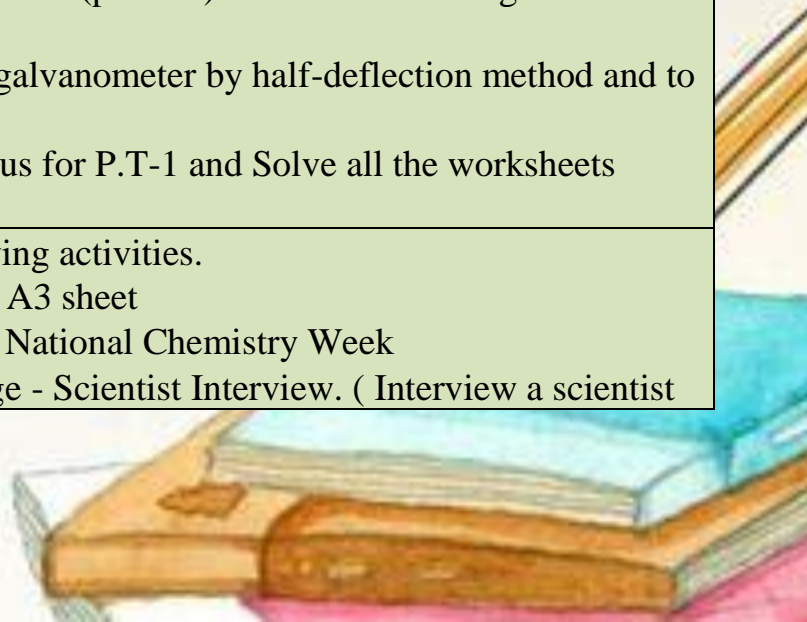
Save Nature – Contribute to save our precious environment. Minimize the wastage of resources like water, fuel and electricity.

Must do:-

- ✓ Read every day newspaper.
- ✓ Revise the previous (done) work.



Subjects	Tasks/Activities
English	<p style="text-align: center;">Assignment 1</p> <ul style="list-style-type: none"> ● Should Students get limited access to the Internet? ● Contribution of Technology in Education ● Time and Tide Wait for None ● National Education Policy ● Safety of Women in India: A Big Concern <p>Note: Express yourself on any three of these suggested topics in 120-150 words. Write each topic on A-4 sized sheet.</p> <p style="text-align: center;">Assignment 2 (Art Integration Based)</p> <ul style="list-style-type: none"> ● AIA 1- Read about the Franco Prussia War and relate it with Last Lesson and write all the problems faced by the people of Alsace in 300 words. This AIA activity, you will write in fair note book. ● AIA 2: As you have read poem “My Mother at Sixty- six” in which you observed that Ageing is a normal process. Make a collage of your experiences with your mother & father (in form of photos) from your initial school life to Class XII. Do the same on A-3 Sheet. <p>Note: Solve all the worksheets (chapter wise) that have been shared in whatsapp group in the end of each lesson. Do the same in Fair notebook. Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).</p>
Physics	<ul style="list-style-type: none"> ● Do & practice the NCERT Exercise questions of Ch -1,2 & 3. ● Complete the written part of the following practical’s in practical file. ● To determine resistivity of two / three wires by plotting a graph for potential difference versus current. ● To verify the laws of combination (series) of resistances using a metre bridge. ● To find resistance of a given wire / standard resistor using metre bridge. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> ● To verify the laws of combination (parallel) of resistances using a metre bridge. ● To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. ● Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).
Chemistry	<ul style="list-style-type: none"> ● Choose any one of the following activities. Note : Make it on a coloured A3 sheet ● Activity 1: Make a poster for National Chemistry Week ● Activity 2 : Chemical Heritage - Scientist Interview. (Interview a scientist



on his life journey and his achievements)

- Activity 3 : Nobel Prize-Winning Chemist Resume. (Choose any scientist who has won a Nobel Prize in Chemistry and write about his research and achievements.) Solve the complete NCERT exercises of Chapter 2 in your notebook. Revise Chapter 2 : Solutions Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).

Maths

- Revise chapter 1,2,3,4 and 5 from NCERT
- Complete given Assignment that will be shared in your class whatsapp group.
- Do the following activities in Lab manual
- To verify the relation R in the set L of all lines in a plane, defined by $R = \{(l,m) : l \text{ is parallel to } m\}$ is symmetric but neither reflexive nor transitive.
- To demonstrate a function which is not one-one but is onto
- To find analytically the limit of a function $f(x)$ at $x=c$ and also to check the continuity of the function at that point.
- To verify Rolle's Theorem
- Note: Revise complete syllabus for P.T-1 and Solve all the worksheets

Biology

Indicate the stages where meiosis and mitosis occur (1, 2 or 3) in the flow chart.

Megaspore mother cell $\xrightarrow{1}$ Megaspores $\xrightarrow{2}$ Embryo sac $\xrightarrow{3}$ Egg

- Draw the diagram of a mature embryo sac and show its 8-nucleate, 7-celled nature. Show the following parts: antipodals, synergids, egg, central cell, polar nuclei.
- Starting with the zygote, draw the diagrams of the different stages of embryo development in a dicot.

The mother germ cells are transformed into a mature follicle through series of steps. Provide the missing steps in the blank boxes.



- Corpus luteum in pregnancy has a long life. However, if fertilisation does not take place, it remains active only for 10-12 days. Explain. Give a schematic labelled diagram to represent oögenesis (without descriptions).

	<ul style="list-style-type: none"> • Draw a neat diagram of the female reproductive system and label the parts associated with the following (a) production of gamete, (b) site of fertilisation (c) site of implantation and, (d) birth canal. • Do you justify the statutory ban on aminocentesis in our country? Give reasons. • Enumerate and describe any five reasons for introducing sex education to school-going children. • What role does pituitary gonadotropins play during follicular and ovulatory phases of the menstrual cycle? Explain the shifts in steroidal secretions. Revise chapter- 2, 3 and 4. <p>Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapter wise).</p>
Computer Science	<ul style="list-style-type: none"> • Do practice of programs. • Write a python program to find the highest 3 values in a dictionary. • Write a python program to make chain of function decorators(bold, italic, underline etc) in python. • Write a method in python to read lines from a text file abc.txt and display those lines which start with the alphabet 'K'. <p>Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapterwise).</p>
Physical Education	<p>Unit-1 Planning in sports</p> <ul style="list-style-type: none"> • Tournament -knock out, league or Round Robin and combinations. • Procedures to draw fixtures - knock out(bye, seeding and special seeding) and league(shair, cyclic and tabular method) <p>Unit 2:sports and nutrition</p> <ul style="list-style-type: none"> • Make a chart of a balanced diet mentioning all nutrition macro and micro nutrients. <p>Unit 3: Yoga and lifestyle</p> <ul style="list-style-type: none"> • Exercise all mcq from this chapter. <p>Unit 4: Physical education and sports for CWSN.</p> <ul style="list-style-type: none"> • Types of disorder,it's cause and nature(ADHD, SPD, ASD, ODD, OCD) <p>Note: Revise complete syllabus for P.T-1 and Solve all the worksheets (Chapterwise).</p>

Hope you have a great time while enjoying your Summer Break.

