

HOLIDAYS HOMEWORK

CLASS -XII

STREAM- SCIENCE

The capacity to learn is a gift; the ability to learn is a skill; the willingness to learn is a choice”. Holiday homework is an attempt to enhance your imagination.

S.NO	SUBJECT	DETAILS OF HOMEWORK	
1	CHEMISTRY	<ul style="list-style-type: none"> Complete the Practical file. 	Practical file to be submitted on 26 June 2023
		Draw a concept map of Biomolecules, amines, Carboxylic acid, Chemical Kinetics	Use class notebook
		Students will prepare an investigatory projects based on the topic allotted to them: 1. <u>For roll no. : 1,3,5,7,9,11,13</u> Topic: Synthetic application of Benzenediazonium salt. 2. <u>For roll no. : 2,4,6,8,10,12,14</u> Topic: Distinguish chemical test for Amines, Carboxylic acid, Aldehyde and ketone 3. <u>For roll no. :15,17,19,21,23,25</u> Topic: Mechanism of electrophilic substitution reaction in aromatic compounds: Amines, Carboxylic acid, Aldehyde, ketone, Alcohol, Ether, Haloarenes. 4. <u>For roll no. :14,16,18,20,22,24,26</u> Topic: Acid nature of carboxylic acid and basic nature of amines	Use project file and NCERT book for reference
		Syllabus for UT-1 1. Biomolecules 2. Amines 3. Carboxylic acid 4. Chemical kinetics	
2	PHYSICS	A. Revision of chapter 1&2 Syllabus of PT-1 Chapter -1 (Electric charges and fields)	

		<p>Chapter -2 (Electrostatic potential and capacitance)</p> <p>B. Solve the examples and NCERT textbook exercise of chapter 1&2 in your notebook.</p> <p>C. Write the following practicals on your practical notebook.</p> <ol style="list-style-type: none"> I. To determine resistivity of two /three wires by plotting a graph for potential difference versus current. II. To find resistance of a given wire using metre bridge. III. To verify the law of combination (series) of resistance using a metre bridge.
3	MATHEMATICS	<ol style="list-style-type: none"> 1. Worksheet (Attached) 2. Revision of PT1 syllabus <ul style="list-style-type: none"> Ch 1. Relations and functions Ch 2. Inverse trigonometric functions Ch 3. Matrices Ch 4. Determinants Ch 5. Continuity and differentiability. <p>*NCERT And NCERT EXEMPLAR</p>
4	BIO	<ol style="list-style-type: none"> 1. Revision of chapter 2,3,4 of Part-A (Syllabus of PT-1. 2. A short informative visual presentation (video of 3-5 minutes) on any of the social problems related to biology. The presentation should include-Explaining the selected problem briefly. Solution to the problem. How the solution can be implemented? <p>Make an Investigatory project for practical exams. Topics will be provided in the class watsapp group.</p>
5	ENGLISH	<p><u>PROJECT BASED ASL:</u> Prepare a documentary on life at slum (group activity)</p> <p><u>(2). LITERATURE SECTION :</u> Revise the syllabus done in the class & Prepare yourself for the assessment.</p> <p><u>(3). ACADEMIC CALENDER ACTIVITIES:</u> I know you can do wonders, my highly creative children..!</p> <p>(a). Create illustrated comic strips representing events from history or work of fiction or a chapter or poem from your literature book. You can either unleash your creativity by drawing comics or use apps to create them.</p> <p>(b). Prepare a PPT for the chapter The Third Level.</p>
6	PHE	<p>A. Answer the Following questions:-</p> <p>1. Explain any three asanas , it's procedure, benefits and contradiction to cure kyphosis, lordosis, scoliosis, knock-knee and bow legs deformity.</p>

		<p>2. Make a proper flow chart on“FEMALE ATHLETIC TRIAD” and explain it.</p> <p>3.Make a fixture for 22 teams by using league cum knockout method.</p> <p>B. Revision of syllabus of PT-1</p> <p>Ch-1:- Management of sporting events</p> <p>Ch-2:- Children and Women in sports</p>
7	COMP.SC	<p>Revision of PT 1 syllabus</p> <p>Class 12th computer science:</p> <ol style="list-style-type: none">1. Revision of python basics.2. Functions3. Text file and binary files in python.