

GURU AMAR DASS PUBLIC SCHOOL

Holiday Homework for Summer Vacation 2024-25

GRADE – XI (SCIENCE)

INSTRUCTIONS:

- ❖ Do your holiday Homework on one separate notebook.
- ❖ Do the homework independently, only ask for assistance from your parents or guardians.
- ❖ Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- ❖ Holiday homework will be assessed on certain parameters and marks/grade will be awarded accordingly.
- ❖ To score well in your upcoming exams, strike a balance between your leisure time and studies.
- ❖ Marks of Holiday Homework will be added in your Mid-Term Examination.

SUBJECT	HOMEWORK
ENGLISH	<ul style="list-style-type: none"> ❖ Write Debate content “For and against on the topic: “Should voting be mandatory in democratic Countries” ❖ Write a Speech on “Global Warming”.
PHY. EDU.	<ul style="list-style-type: none"> ❖ Prepare notes of Chapter 4 “Physical Education and Sports for children with special needs”. ❖ Make a chart on Yogic Kriyas (Shat Karma)
PHYSICS	<ul style="list-style-type: none"> ❖ What are the different systems of units? Explain ❖ Check the correctness of the formula: $v^2 - u^2 = 2aS$ (Using Dimensional Analysis) ❖ In gas equation $(P+a/V^2)(V-b)=RT$ where T is temperature, V is Volume of gas and P is pressure of the gas. What are the dimensions of ‘a’ and ‘b’? ❖ What do you mean by Resolution of force?
CHEMISTRY	<ul style="list-style-type: none"> ❖ What is the difference between Accuracy and Precision? Explain with the help of an example ❖ What do you mean by Limiting reagent and Excess reagent? Give example of each ❖ Differentiate between Emission Spectra and Absorption Spectra. ❖ Write the electronic configuration of (i) Zn^{3+} (ii) Cu^{2+} (iii) Fe^{3+} (iv) Ni^{4+}
BIOLOGY	<ul style="list-style-type: none"> ❖ Differentiate between Cortical Nephrons and Juxtamedullary Nephrons. ❖ Draw the structure of human kidney. ❖ What are different excretory structures in various organisms? ❖ Differentiate between Uricotelism, Ammonotelism and Ureotelism.
PAINTING	<ul style="list-style-type: none"> ❖ Make an innovative water fountain by using waste material.
MUSIC	<ul style="list-style-type: none"> ❖ Describe the historical development of time theory of Raga. ❖ Write the brief study of Alankar
MATHEMATICS	<ul style="list-style-type: none"> ❖ Solve Ex 1.3 from NCERT exemplar. ❖ Solve Ex 2.3 from NCERT exemplar. ❖ Solve Short Answer type questions of Ex 3.3 from NCERT exemplar. ❖ Do activities number 1,2,3,5,6,7 from Evergreen Lab Manuals
PUNJABI	<ul style="list-style-type: none"> ❖ ਪੇਂਡੂ ਅਤੇ ਸ਼ਹਿਰੀ ਜੀਵਨ ਵਿੱਚ ਅੰਤਰ ਨੂੰ ਦਰਸਾਉਂਦੇ ਹੋਏ 150-200 ਸ਼ਬਦਾਂ ਵਿੱਚ ਆਪਣੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰੋ। ❖ ਸਮਾਜਿਕ ਕੁਰੀਤੀਆਂ (ਦਾਜ਼, ਭਰੂਣ ਹੱਤਿਆ, ਨਸ਼ੇ) ਆਦਿ ਵਿਸ਼ਾਵਾਂ ਉੱਤੇ ਇੱਕ ਫਾਈਲ ਤਿਆਰ ਕਰੋ।

In addition to Homework, you may perform the following activities:

- ❖ Keep an earthen water filled pot on your roof for birds.
- ❖ Play indoor/outdoor games.
- ❖ Do exercise daily.
- ❖ Eat healthy, fresh fruits and vegetables.

