

GURU AMAR DASS PUBLIC SCHOOL

Holiday Homework for Summer Vacation 2024-25

GRADE – X

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">❖ Complete holiday project of Evergreen Practice Paper.❖ Creation with Proverb Describe the following proverbs in your own words (120-150 words) in the context of the Lesson you have read in Periodic Test - 1.<ul style="list-style-type: none">• "God helps those who help themselves" (The Black Aeroplane)• "No pain No gain" (A Long walk to Freedom)• "Necessity is the mother of invention" (His first Flight)• "Faith can move mountains." (A Letter to God)• "Paper has more patience than people." (From the Diary of Anne Frank)❖ Portfolio Create your Portfolio using the following guidelines:<ul style="list-style-type: none">• Index should be written in a tabular form along with serial number and content• Describe yourself (built, appearance, etc.) along with the pictures.• A complete SWOT analysis should be written. (mention your strengths, weaknesses, goals/aims, threats)• Your achievements of last five years/ certificates/ medals/ scholarshipsThe portfolio will be assessed using the following parameters: 1. Neatness 2. Creativity 3. Visual appeal 4. Inclusion of all relevant work❖ Revise periodic test – I syllabus.
PUNJABI	<ul style="list-style-type: none">❖ 'ਚਲੰਤ ਘਟਨਾਵਾਂ ਦਾ ਵੇਰਵਾ' ਅਤੇ 'ਪੁਰਾਤਨ ਸੱਭਿਆਚਾਰ ਬਾਰੇ ਜਾਣਕਾਰੀ' ਵਿਸ਼ੇ ਤੇ ਫਾਇਲ ਬਣਾਉ।❖ ਜੀਵਨ ਬਿਉਰਾ ਦਸ ਗੁਰੂ ਸਹਿਬਾਨ ਤੇ ਸ਼੍ਰੀ ਗੁਰੂ ਗ੍ਰੰਥ ਸਾਹਿਬ ਜੀ ਬਾਰੇ ਸੰਖੇਪ ਜਾਣਕਾਰੀ ਦਿਉ।❖ Revise periodic test – I syllabus.
MATHEMATICS	<ul style="list-style-type: none">❖ Do the following Lab Manual Activities on Lab Manual :<ul style="list-style-type: none">• To obtain the conditions for consistency (or inconsistency) of a system of linear equations in two variables.• To verify the Basic Proportionality Theorem experimentally.• To verify the trigonometric identity: $\sin^2 \theta + \cos^2 \theta = 1$.• To find the median of the collected data graphically.• To figure out whether the given sequence is an A.P. or not.• To verify that the sum of first n natural numbers is $\frac{n(n+1)}{2}$• To verify the section formula by graphical method.• To make a Clinometer and with its help, measure the height of an object.• To verify that the lengths of tangents drawn from an external point are equal.❖ Do the 20 sums of integers.❖ Do the 20 sums of LCM with different denominators.

SCIENCE	<p style="text-align: center;">Chemistry</p> <ul style="list-style-type: none"> ❖ What are oxidising agents and reducing agents? Explain with examples. ❖ Why is respiration considered an exothermic process? ❖ Balance the following reactions:- <ul style="list-style-type: none"> (i) $\text{Pb}_3\text{O}_4 + \text{HCl} \rightarrow \text{PbCl}_2 + \text{Cl}_2 + \text{H}_2\text{O}$ (ii) $\text{HNO}_3 + \text{Ca}(\text{OH})_2 \rightarrow \text{Ca}(\text{NO}_3)_2 + \text{H}_2\text{O}$ <p style="text-align: center;">Physics</p> <ul style="list-style-type: none"> ❖ What is Ohm's law? ❖ What are the factors on which the resistance of a conductor depends? ❖ What is Joule's law of heat? ❖ Two lamps, one rated 100W at 200V and the other 60W at 220V, are connected in parallel to an electric mains supply. What current is drawn from the line if the supply voltage is 220V? <p style="text-align: center;">Biology</p> <ul style="list-style-type: none"> ❖ What are the various components of an ecosystem? ❖ Define the 10 Percent Law of the flow of energy in the ecosystem. ❖ Why are there hardly three or four trophic levels in a food chain? ❖ Why is there a need to clean up an aquarium from time to time? <p>❖ Revise periodic test – I syllabus.</p>
SOCIAL SCIENCE	<ul style="list-style-type: none"> ❖ Frame 1 mark questions of chapter Water Resources (Geography). ❖ Label and locate the major dams and rivers on Indian political map. ❖ Make a table of major food and nonfood crops and mention temperature and rainfall required along with their areas to be found. ❖ Revise periodic test – I syllabus.
I.T.	<ul style="list-style-type: none"> ❖ Solve book exercise of Session 1, 2, 3, 4, 5 from Unit - 1 (Part - A) Communication Skills-II ❖ Revise Periodic Test – I Syllabus.

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.

