

LK SINGHANIA PUBLIC SCHOOL



SEEK EXCELLENCE - EVERYTIME, EVERYWHERE

SUMMER VACATION HOMEWORK





L K SINGHANIA PUBLIC SCHOOL, NIMBAHERA

Summer Vacation Homework 2024-25



Class: XI Raman & Kalam

ENGLISH CORE

**Summer Vacation Assignment
Class- XI
Subject- English**

Note: All assignments are compulsory. You may write the assignments in your Copy/ Register/ A-4 size lined paper. Clearly mark the page 'Summer Vacation Assignment'.

Q.1 Discuss the advantages and disadvantages of the joint family system. What values do you think children learn from grandparents?(120-125 words)

Q.2. Write a character sketch of Khushwant Singh's grandmother, mentioning her values.
(120-125 words)

Q.3. How does the story 'Summer of the Beautiful White Horse' convey the message of honesty and integrity and how do the characters maintain it irrespective of their desire to keep the horse with themselves?
(120-125 words)

Q.4. The story, 'Summer of the Beautiful White Horse' revolves around characters who belong to a tribe in Armenia. Mourad and Aram are members of the Garoghlanian family. Now locate Armenia and Assyria on the atlas and prepare a write-up on the the Garoghlanian tribes. You may write about people, their names, traits, geographical and economic features as suggested in the story.

PHYSICS

1. Complete all the experiments, done in laboratory, in practical record of Physics
2. Prepare one mark twenty questions and two marks 10 questions from chapter: Physical world, unit and dimensions.
3. Do all the exercise questions of chapter units and measurements
4. Prepare the soft copy of investigatory project of Physics (Working model will be prepared after approval)

CHEMISTRY

1. Solve question paper of unit test-1 chemistry.
2. Solve 20 numerical question from any refresher book or web resource.

MATHS (Raman Only)

Revise and practice Chap-03 (Trigonometry) from RD Sharma

COMPUTER SCIENCE

XI CS

Prepare a chart and speech on cyber safety and security.

1. Cyber safety
2. Cybercrime
3. Cyber Law and IT Act
4. Cyber threat and protection
5. Artificial intelligence in education.

Prepare quiz also

Complete the following questions in your classwork copy

- 1 Convert(39286)₁₀ to octal form
- 2 Convert(0.2)₁₀ to binary form
- 3 Convert decimal fraction to binary form
475.65
4. Convert following to hexadecimal numbers
525
101101
5. Using the truth table prove that
 $AB + BC + C'A = AB + CA'$
- 6 prepare Truth table for the following expression
 $A'B'C' + A'BC + AB'C' + ABC$

FINE ARTS

40 Sketches on A3 paper (Nature study, , object study, Portrait, landscape, cityscape, hand , leg gesture, bird, animal, human figures, perspective drawing, caricature, foliage study etc)

2 Indian folk art

2 Modern art/ contemporary art

BIOLOGY (Kalam Only)

- I. To complete practical file and project file on the assigned topics.
- II. To write the answers of the following questions [chapter 2 Biological classification] in Biology classwork/ homework notebook.

1. Who is known as “Father of classification”?
2. Name the fungus from which LSD drug is obtained?
3. It is advised to grow one pulse crop in between two main crops in the same field why?
4. Why are some fungi grouped under “fungi imperfect”?
5. Explain “Numerical taxonomy”.

6. What are the demerits of five kingdom classification?
7. Give scientific name of species of Fungus: - a) Produces a plant disease. b) Is edible c) A source of antibiotic d) Used in manufacture of ethanol.
8. Why is the natural system of classification better than the artificial system of classification?
9. Give a comparative account of classes of kingdom fungi on the basis of mode of nutrition & mode of reproduction.
10. Write the diagnostic characters of kingdom Monera.
11. Who introduced the five -kingdom classification of organisms?
12. To which kingdom the multicellular decomposers belong?
13. Expand and explain PPO.
14. Describe the classification and salient features of kingdom protista?
15. Give one example of a fungus used as a source of antibiotics?
16. How are viroids different from viruses?
17. Explain sexual reproduction in bacteria?
18. Discuss the salient features of viruses with the help of a diagram?
19. Write the distinct characters of fungi & explain using a diagram.
20. What is the phylogenetic system of classification?