



VIKAS BHARTI SCHOOL, GORAKHPUR

HOME ASSIGNMENTS FOR SUMMER VACATION - 2023

FORM -B/Class-IX (Science)

English Language:

Write an essay (300- 350 words) on each of the given topics:

1. Describe a situation when you were alone at home and had to take an important decision.
2. Suppose you were given a chance to meet a person from the past for a few hours, whom would you like to meet and why? What would you want him to teach you before you parted ways?
3. Write about an incident when you fought with someone over a principle that means something to you.

Literature in English:

1. Write a 500- word essay on the historical Gaius Julius Caesar.
2. Write down a poem by a poet whom you admire and analyze the poem with the following points in mind:
 - a) Summary
 - b) Figures of speech used with explanation
 - c) Theme(s)
 - d) Relevance

Hindi:

1. किन्हीं बीस (20) शब्दों को लिखकर उनके तीन-तीन पर्यायवाची शब्द लिखिए।
2. 'प्राकृतिक आपदाएं एवं उनसे बचाव' विषय पर एक लेख तैयार कीजिए।
3. 'बात अठन्नी की' पाठ के आधार पर रसीला तथा रमजान की चारित्रिक विशेषताओं का वर्णन कीजिए।
4. किन्हीं बीस (20) संज्ञा शब्दों के भाववाचक संज्ञा शब्द बनाइए।
5. कोई एक मौलिक कहानी लिखिए जिसमें जीवन के प्रति सकारात्मक दृष्टिकोण हो।

History & Civics:

1. Write a brief note on the following leaders of India:
 - a) Dr. Rajendra Prasad
 - b) Pandit Jawaharlal Nehru
 - c) Sardar Vallabhbhai Patel
 - d) Dr. BR Ambedkar
2. Write full Text of the Preamble of the Indian Constitution on a Chart Paper beautifully.

Geography:

Make a project on any one from the topics given below:

1. River pollution
2. Natural vegetation and wild life conservation
3. Earthquake and their occurrence.
4. Rock and Rock Cycle.
5. World Climate Types.
6. Earth Interior.
7. Impact of volcanic activity
8. Human influence on climate change

Mathematics:

1. Write and learn 20 algebraic Identities.
2. Revise chapter 1, 2 and 3 for assessment test.

3. Project on Early history of Mathematics (the students should give an outline of the major milestones in Mathematics from Euclid to Euler).
4. Solve chapter test of trigonometry.

Physics:

1. Make a working model related with application of physics and submit it along with written description about principle & working of the model. It has to be presented by you in class for evaluation.

Chemistry:

Execute *any one* project (*At least 30– 35 pages*) creatively. Following is the list of projects:

- i. **Hydrogen:** Lab preparation, industrial preparation, physical properties, chemical properties, tests and uses.
- ii. **Types of chemical reactions.**
- iii. **Acids, Bases and Salts.**

Biology:

1. Make a project on the topic "Effect of Mobile radiation from Mobile towers on people and environment".

Computer Applications:

1. Write in details about the development of Java in chronological order.

Physical Education:

1. Complete your practical file & make a project on any one game & sports of your interest based on ICSE prescribed syllabus.

Environmental Application:

You are recommended to complete two case studies and one project from the list given below;

Suggested topics for the project (Select any one).

- 1: Where have all the sparrow gone?
- 2: Why conserve turtles?
- 3: Importance of green areas in a city.
- 4: Importance of mangroves.
- 5: Project tiger/ Project Elephant/ zoos as places for conservation of species.
- 6: Protecting and conserving forests, rivers, oceans.
- 7: Is biotechnology the answer to the world' food problems?

Suggested topics for Case Studies: (Select any two)

- 1: Child labor reports.
- 2: Development in a tribal region.
- 3: Starvation in Orissa & Andhra Pradesh.
- 4: The case of Bt Cotton.
- 5: Bio-piracy
- 6: Minimizing or avoiding plastic altogether
- 7: Rainwater harvesting
- 8: Making school a litter free or plastic free.



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