

KendriyaVidyalaya North Lakhimpur

Holiday Homework

Class X

(English)

1. Read the novel prescribed thoroughly and based on your reading answer the following questions.
 - a) What are the themes explored in the novel.
 - b) Give character sketch of all major characters.
2. Write a newspaper report in about 200 words covering the event of the assassination of Julius Caesar.
3. Solve the papers of periodic-I and II.

विषय :- हिन्दी

1. विद्यालय द्वारा प्रदत्त अध्ययन सामग्री में संकलित 5 प्रतिदर्श प्रश्न पत्रों को हल करें
2. पढ़ाये गए समस्त पाठों का अभ्यास करें |
3. व्याकरण का अभ्यास करें |
4. कृतिका के समस्त पाठों को पढ़ें

कमल नयन सिंह

परास्नातक शिक्षक

SUBJECT : (SST)

- 1.Revise whole syllabus for 1st Pre- Board .
- 2.Prepare a Project on following topics-
 - (i) Tsunami – The Killer Sea Wave
 - (ii) Loan Process of a Bank
- 3.Solve the model question paper based on CBSE pattern at list three model question paper should be solved .

SUBJECT : (SCIENCE)

1. What are three R's? Explain each term.
2. Why should we conserve forest and wildlife?
3. Write the roles of stakeholders in forest management.
4. State the instance where human intervention saved the forest from destruction.
5. What is water harvesting? Mention water harvesting structure? Write advantages of water harvesting.
6. What is ' Chipko movement' ? Why should we conserve forest?
7. What is a dam? Write the disadvantages of larger dams.

SUBJECT : PHYSICS

1. Why are the coils of electric toaster and electric iron made of alloy rather than a pure metal?
2. Why is the tungsten used almost exclusively for the filament of electric lamp?
3. An electric lamp of 100Ω , a toaster of resistance 50Ω , and a water filter of resistance 500Ω are connected in parallel to a $220V$ source. What is the resistance of an electric iron connected to the same source that takes as much current as all three appliances and what is the current through it?
4. A copper wire has a diameter of 0.5mm and resistivity of $1.6 \times 10^{-8} \Omega\text{m}$. What will the length of this wire to make its resistance 10Ω ? How much does the resistance change if its diameter is doubled?
5. Derive an expression for equivalent resistance of three resistors connected in parallel.
6. State the following rules: Maxwell's right hand thumb rule, Fleming's left hand rule, Fleming's right hand rule.
7. List three ways in which magnetic field strength of a current carrying solenoid can be increase.
8. Explain why the direction of induced current in the coil of an A.C. generator changes after every half revolution of the coil.
9. Mention one way of inducing current in a coil.
10. Draw a labelled diagram of an electric motor. Explain its principle, construction and working. Also state its uses.
11. Define the following term: centre of curvature, optical centre, pole, principal focus of a concave mirror.
12. Which type of mirror is used as a rear view mirror in vehicles and why?
13. An object 2cm high is placed at a distance of 16cm concave mirror which produces a real image 3cm high. What is the focal length of the mirror? Find the position of the image.
14. Draw a diagram to show how hypermetropia can be corrected. The near point of a hypermetropic eye is 1m . What is the power of the lens required to correct this defect?
15. Explain why planets do not twinkle whereas stars do.
16. What is Tyndall effect? Give examples.
17. What is nuclear fission and nuclear fusion? List three limitations of nuclear energy.
18. Distinguish between renewable and non-renewable source of energy.
19. What are the environmental consequences of the increasing demand for energy? What steps would you suggest to reduce energy consumption?
20. What kind of mirror would be best suited for use in solar cooker? Why?