

This Guess paper is presented to our Young Viewer's
With lot's of best wishes
For
Board Exams - 2010

Vivek sir

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Practice Paper - 2010
Class - X
Subject - Science(Theory)

Time : 2½ hrs

MM:60

General instructions :

1. All Questions are compulsory.
2. The question paper consists of 27 questions divided into two sections A and B.
3. All questions in both the section are to be answered as per the exact requirement of the question.
4. There is no overall choice. However internal choice has been provided in long answer type question. You have to attempt only one of the alternatives in all such questions.
5. Uses of calculators are not permitted. However you may ask for mathematical tables.

Section - A

1. When water is added to quick lime, heat is evolved or absorbed and why ?
2. What is the cause of cataract ?
3. Name the simplest carboxylic acid ?
4. How does the magnetic field due to current carrying wire vary at a point when the point is moved away from the wire ?
5. In solar cooker, why is the inner surface blackened ?
6. How does the atomic size vary as you go down in a group ?
7. Why diamond used as an abrasive ?
8. Resistance of a uniform wire of length 30m and radius 0.1mm is measured as 21Ω . Calculate the resistivity of material of the wire ?
9. On what factor does the force experienced by a current conductor placed in a uniform magnetic field depend ?
10. Define the term Galvanisation. Why galvanized articles are protected against rusting even if the zinc coating is broken ?
11. A white powdered solid when added to water, produced hissing sound. Identify the compound. How does this compound react with moist hydrogen chloride gas? Write the chemical equation. Give some uses of the same compound ?
12. Two electric lamps rated 100W, 200V and 25W, 220V are connected in parallel to a 220 V supply. Calculate the total electric current in the circuit ?
13. Explain how does a hydro power plant produce electricity. Draw a neat diagram also.
14. Explain how do methanol affect living beings ?
15. Explain electrolytic refining of metal with the help of suitable diagram ?

Or

Illustrate an experiment, using suitable diagram and reaction, to support a displacement reaction.

16. (a) List out the differences between nuclear fusion and nuclear fission ?

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(b) What is chain reaction, hence describe its type in short, using suitable example ?

2 + 3

Or

What is heating effect of electric current ? Find an expression for amount of heat produced. Name some appliances based on heating effect of current ?

1 + 3 + 1

Section B

17. What is variation

18. What are the two functions of testes?

19. How root and stem respond to gravity?

20. What is meant by systole & diastole?

21. Give reason why.

(i) All organisms have many common factors.

(ii) Fossils furnish the direct and reliable evidence for evolution.

22. Differentiate between

(i) External and internal fertilization

(ii) Self and cross pollination.

23. Herbivorous eating a grass need a longer small intestine as compared to carnivorous why ?

24. Draw a diagram of human alimentary canal and label it ?

25. Describe the process of fertilization in flowering plant ?

26. In brief describe various types of plant movement ?

27. Describe the male reproductive system with the help of suitable diagram.

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