



CHEMISTRY

BOOKS - CAMBRIDGE CHEMISTRY (KANNADA ENGLISH)

CPC MODEL QUESTION PAPER 6

Mcqs

1. Which of the following groups contain only biodegradable items

A. A) Grass, Flowers and leather

B. B) Grass, wood and plastic

C. C) Fruit, peels , cake and lime juice

D. D) Cake, wood and glass

Answer:



Watch Video Solution

2. The embryo gets nutrition from the mother's blood with the help of a special tissue called

A. Zygote

B. Uterus only

C. Placenta

D. None of these

Answer:



Watch Video Solution

3. One of the main aim of conservation is to try and preserve the _____ we have inherited.

A. Ecosystem

B. Biodiversity

C. Environment

D. Universal

Answer:



Watch Video Solution

4. Which of the following terms does not represent electricity power in a circuit ?

A. I^2R

B. IR^2

C. VI

D. V^2R

Answer:



Watch Video Solution

5. By which reaction metal is obtained from metal oxide

A. Liquification

B. Reduction

C. Calcination

D. None of these

Answer:



Watch Video Solution

6. Conversion of electrical signal to chemical signal occurs at :

A. Dendrite of a neuron

B. Axon of a neuron

C. Nerve endign of a neuron

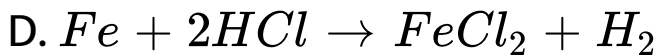
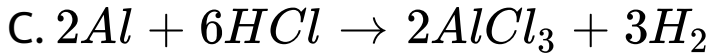
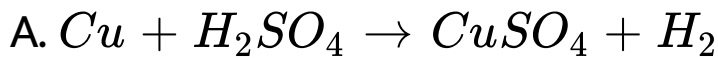
D. Cell body of a neuron

Answer:



Watch Video Solution

7. Which of the following reaction will never occur



Answer:



Watch Video Solution

8. Sodium carbonate is a basic salt because it is a salt of

A. Strong acid and strong base

B. Weak acid and weak base

C. Strong acid and weak base

D. Weak acid and Strong base

Answer:



Watch Video Solution

Answer The Following

1. What are autosomes and sex chromosome ?



[Watch Video Solution](#)

2. What does the high level of total coliform count in river Ganga indicate ?



[Watch Video Solution](#)

3. Why are we not able to see the things clearly when we come out of a dark room?



[Watch Video Solution](#)

4. What is an electric current? Write its SI unit.



[Watch Video Solution](#)

5. In a bakery, baking powder was not added while preparing cake. The cake obtained was hard and small in size. What is the reason for this.



[Watch Video Solution](#)

6. Why do we consider tungsten as suitable material for making the filament of a bulb ?



[Watch Video Solution](#)

7. Where do plants get each of the raw materials required for photosynthesis?



[Watch Video Solution](#)

8. What is combustion ?



Watch Video Solution

9. How are the areas of study-evolution and classification interlinked ?



Watch Video Solution

10. Draw the diagram of a simple electric motor. Label the following parts :

i] Split rings ii] Brushes.

i] Burshes ii] Battery



Watch Video Solution

11. What is the advantage of disposable paper cups over disposable plastic cups ?



Watch Video Solution

12. What does energy flow diagram indicate ?



Watch Video Solution

13. Draw the diagram of an electrolytic cell used in the purification of copper and label in the purification of copper and label the electrode having impure copper.



Watch Video Solution

14. Why are decomposition reactions called the opposite of combination reactions ? Write equations for these reactions.



[Watch Video Solution](#)

15. Give an example of redox reaction, naming the substances which are oxidised and reduced.



[Watch Video Solution](#)

16. Draw the structure of a neuron and label and following parts.



[Watch Video Solution](#)

17. What is short circuit ? State one condition that leads to it . Name the device in the household that acts as a safety measure for it.



Watch Video Solution

18. Draw the ray diagram showing the position of the object and image , to get the virtual erect image , to get the virtual erect image whose size is enlarged by using convex lens.





[Watch Video Solution](#)

19. a) Define Resistance of conductor.

b) Calculate the equivalent resistance between A and B from the following combination of resistors .



[View Text Solution](#)

20. What is Geothermal energy? How can it be harnessed to produce electrical energy.



[Watch Video Solution](#)

21. List three factors responsible for the wind .
State three limitations in harnessing wind energy.



[Watch Video Solution](#)

22. Define and show in a diagram, the following terms relating to concave mirrors.

i) Aperture

ii) Radius of curvature

List any four uses of concave mirror.



[Watch Video Solution](#)

23. What happens when a solution of baking soda is heated? Write chemical equation for the same. Name the product which is responsible for making the bread or cake spongy and fluffy.



[Watch Video Solution](#)

24. (i) Write the name given to bases that are highly soluble in water. Give an example.

(ii) How is tooth decay related to pH? How can it be prevented?

(iii) Why does bee-sting cause pain and irritation? Rubbing of baking soda on the sting area gives relief. How?



Watch Video Solution

25. How does a solenoid behave like a magnet ? Can you determine the north and south

poles of a current-carrying solenoid with the help of a bar magnet ? Explain.



[Watch Video Solution](#)

26. a) What is meant by least distance of distinct vision?

b) What happens to the image distance in the eye when we increases the distance of an object from the eye.



[View Text Solution](#)

27. Why are we not able to see the things clearly when we come out of a dark room?



[Watch Video Solution](#)

28. a) Define speciation?

b) Mention the sex chromosomes present in human male and human female with the help of a flow chart determine genetically in human beings the sex of the offspring if the sperm carrying x chromosomes fertilizes the egg.



[View Text Solution](#)

- 29.** a) Define 1 dioptre of power of a lens
- b) The refractive index of diamond is 2.42.
What is the meaning of this statement.
- c) In which type of lens linear magnification is always less than one ?



View Text Solution

30. How do you distinguish experimentally between an alcohol and a carboxylic acid ?



[Watch Video Solution](#)

31. What are addition reaction? What are catalysts? Illustrate with an example.



[Watch Video Solution](#)

32. a) Define Mendeleev's periodic law.

b) The elements of the third period of the periodic table are given below:



a) Which atom is bigger, Na or Mg ? Why ?

b) Identify the most i) Metallic and ii) Non-metallic element in period 3.



[View Text Solution](#)

33. a) What are groups and period in the periodic table?

b) Two element M and N belong to group I and II respectively and are in the same period of the periodic table. How do the following properties of M and N vary?

1) Size of their atoms

2) This metallic characters

3) Their valencies informing oxides.

4) Molecular formulae of their chlorides.



[Watch Video Solution](#)

34. Draw the diagram showing the structure of human alimentary canal and label the following parts.

a) The part which stores bile juice

b) The longest part of the alimentary canal.



[Watch Video Solution](#)

35. Write the balanced chemical equation for the following reactions.

Calcium hydroxide + Carbon dioxide \rightarrow
calcium carbonate + water.



Watch Video Solution

36. Mention the Properties of Metals ?



Watch Video Solution

37. a) What is fertilisation? Distinguish between external fertilisation and internal fertilisation. What is the site of fertilisation in human beings.

b) How does growing embryo get nutrition from the mother's blood?



Watch Video Solution