



CHEMISTRY

BOOKS - CAMBRIDGE CHEMISTRY (KANNADA ENGLISH)

PRACTICE QUESTION PAPER -12

Mcqs

1. A pure dominant pea plant producing round yellow seeds is crossed with pure recessive

pea plant producing wrinkled green seeds .

The number of plants bearing round green seeds in the F_1 generation of mendel's experiment is

A. 0

B. 1

C. 3

D. 9

Answer:



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2. By constructing Khadin check - dams in level terrains.

A. Underground water level decreases

B. Underground water level increases

C. Vegetation the nearby area are
destroyed due to excess moisture

D. Underground water gets polluted

Answer:



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3. No matter how far you stand from a mirror, your image appears erect. The mirror is likely to be

A. plane

B. Concave

C. Convex

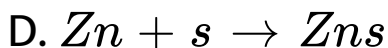
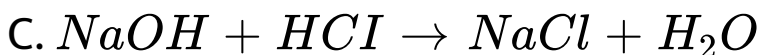
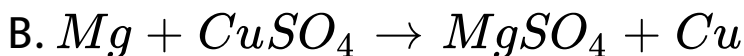
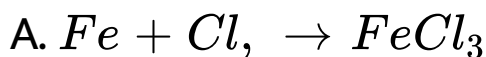
D. Either plane or convex

Answer:



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4. Which of the following is not a balanced equation



Answer:



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5. The plant hormone which is essential for cell division is

A. Auxin

B. Cytokinin

C. Ethylene

D. Gibberelin

Answer:



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6. An electric charge in uniform motion produces

A. An electric field only

B. An magnetic only

C. Both electric and magnetic fields

D. No such field at all

Answer:



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7. Which of the following method is suitable preventing an iron frying pan from rusting

A. Applying grease

B. applying paint

C. Applying a coating of Zinc

D. All of the above

Answer:



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8. The functional group present in propanol and propanal respectively are .

A. $-OH$ and $-CHO$

B. $-OH$ and $COOH$

C. $-CHO$ and $-COOH$

D. $-CHO$ and $-CO$

Answer:



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Answer The Following Question

1. Name the phenomenon responsible for observed twinkling of stars . Will this twinkling be observed on the moon .



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2. Why do the walls of the trachea not collapse when there is less air in it ?



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3. 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 ?



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4. What is grafting ?



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5. Name some devices in which electric motors are used.



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6. Define ecosystem.



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7. How is the movement of leaves of a sensitive plant different from the movement of a shoot

towards light?



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8. What is hydrogenation ?



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9. What is resistance of a conductor ? Mention the factors on which the resistance of a conductor depends .



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10. Draw a diagram of a hypermetropic eye and correction for hypermetropic eye .



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11. What are oxidising agents ?



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12. Draw the diagram of the apparatus used in the electrolysis of water.



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13. Draw a diagram of structure of neuron label the following parts

i) Axon ii) Dendrites



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14. What are ionic compounds? Mention any two properties of ionic compounds.



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15. Explain the process of determination in human beings .



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16. Draw the diagram of a simple electric generator. Label the following parts :

[i] Brushes [ii] Rings.



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17. I) what is biogas ? Name two main combustible components of biogas ?

II) what is the use of spent slurry in a biogas plant ?

III) Name the micro organisms responsible for the formation of slurry in the digester .



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18. What are the limitations of extracting energy from :

I) The Wind II) Waves III) tides .



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19. a) what is meant by analagous organs ?

b) Define variation in relation to a species why is variation beneficial to the species .



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20. How can you as an individual contribute or make a different to the management of a) Forests and wildlife b) Water resources and c) Coal and petroleum



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- 21. a)** Human blood has pH value of 7.3 what does it indicate about the nature of the blood
- b)** what is acid rain what is its pH? How does it effect the aquatic life ?



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- 22. a)** What will happen plants is exposed to unidirectional light .
- b)** Compare and contrast nervous and

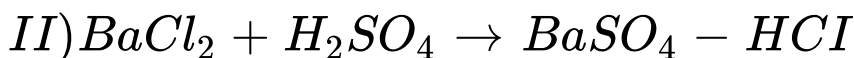
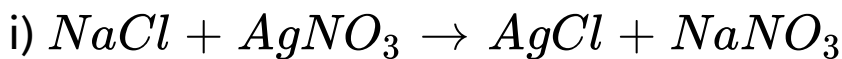
hormonal mechanism for control and coordination in animal



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23. a) What does one mean by exothermic and endothermic reaction ? Give example

b) Write the balanced chemical equations for the following reactions :



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24. a) what are the changes seen in girls at the time of puberty ?

b) Where does the zygote implanted in human beings ?



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25. Why are coils of electric toasters and electric irons are made of an alloy rather than a pure metal?



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26. 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 .



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27. How could the Modern Periodic Table remove various anomalies of Mendeleev's

Periodic Table?



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28. a) what is cinnabar ? How is metal extracted from cinnabar .

b) Difference between roasting and calculation explain the two with help of suitable chemical equation .



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