

BIOLOGY

BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

MOST LIKELY QUESTION PAPER- 8

I Answer The Following Questions

1. The sulphide ore among the following is

A. Haematite

B. Bauxite

C. Argentite

D. Zine blende

Answer: D



Watch Video Solution

2. Which of the following is most suitable for the core of electromagnetics

A. Air

B. soft iron

C. steel

D. None of these

Answer: B



Watch Video Solution

3. Decomposers of ecosystem consists of

- A. Organisms which make organic compound out of inorganic compounds
- B. Organisms which use radiant energy to produce biomass
- C. Certain blue green algae and algae
- D. Certain fungi and bacteria.

Answer: D



Watch Video Solution

4. Phototropism is caused to differential distribution of

A. Absciscic acid

B. Gibberellin

C. Cytokinin

D. Auxin

Answer: D



Watch Video Solution

5. Most of the sources of energy we are represent stored solar energy. Which of the following is not ultimately derived from the sun's energy

A. Geothermal energy

B. Wind energy

C. Nuclear energy

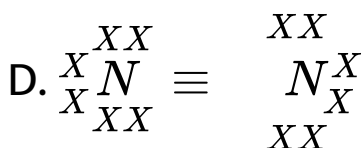
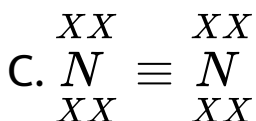
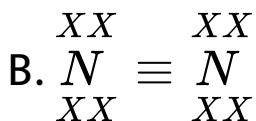
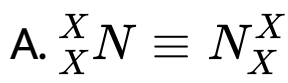
D. Bio mass

Answer: C



Watch Video Solution

6. Which of the following represent N₂ molecules



Answer: A



Watch Video Solution

7. Galvanisation of iron means coating iron with

A. Zinc

B. nickel

C. copper

D. tin

Answer: A



Watch Video Solution

li Answer The Following Questions

1. What is the principle of an electric motor?



Watch Video Solution

2. Why does an aqueous solution of an acid conduct electricity ?



Watch Video Solution

3. Write a mathematical expression for Joule's law of heating, Name on device which work on this principle.



Watch Video Solution

4. How is the increase in demand for energy affecting atmosphere?



Watch Video Solution

5. If a person is working on a treadmill in a gymnasium will it effect his rate of breathing ?
How?



Watch Video Solution

6. When is the force experienced by current carrying conductor placed in a magnetic field largest ?



Watch Video Solution

7. What change will you observe if you test soap with litmus paper (red and blue)?



Watch Video Solution

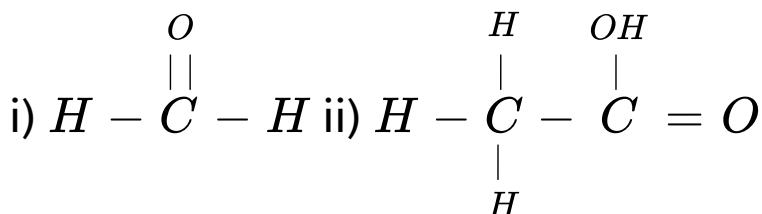
8. Define Rancidity ?



Watch Video Solution

iii Answer The Following Questions

1. Define the term functional group identify the functional group present in the following.



Watch Video Solution

2. What are saturated and unsaturated hydrocarbon? Write the structure of the simplest hydrocarbon ?



View Text Solution

3. Draw the diagram of an electric circuit in which the resistors R_1 , R_2 and R_3 are connected in parallel including an ammeter and a voltmeter and mark the direction of the current.



View Text Solution

4. Name the part of the eye where image is formed by the eye lens. What is the nature of

the image formed ? How is their sent to the brain ?



Watch Video Solution

5. How are the alveoli designed to maximise the exchange of gases?



Watch Video Solution

6. How is the amount of urine produced regulated ?



Watch Video Solution

7. Distinguish between renewable and non-renewable sources of energy,



Watch Video Solution

8. Draw the diagram showing longitudinal section of a flower and label the part where pollination takes place



Watch Video Solution

9. Describe two examples of different oxidations of ethanol. Name the products obtained in each case



Watch Video Solution

iv Answer The Following Questions

1. The atomic number of Na and Mg is 11 and 12 respectively and they belong to the same period.

- a) Which one would have smaller atomic size.
- b) Which one would be more electropositive.
- c) To which group would each one belong.



Watch Video Solution

2. What were the limitations of Dobreiner's classification?



Watch Video Solution

3. What is meant by sustainable management ? The environmentalist are insisting upon "Sustainable natural resource management" State its four advantages.



Watch Video Solution

4. A 4cm tall object is placed perpendicular to the principal axis of a convex lens of focal length 24 cm. the distance of the object from the lens is 16 cm. Find the position, size and

nature of the image formed using the lens formula.



Watch Video Solution

5. Define the power of lens. What is the meaning of "the power of lens is 1 dioptre" if the power of a lens $-2.0D$, then what type of lens is that? when an object is kept at infinity from this type of lens, what is the size of the image formed.



Watch Video Solution

6. Draw the diagram showing the sectional view of the human heart.

Label the following parts.

(i) Aorta

(ii) Chamber of the heart that receives deoxygenated blood.



Watch Video Solution

7. Write equations for the reactions.

(i) Iron with steam

(ii) Calcium and potassium with water



Watch Video Solution

8. a) What is thermite reaction ?

b) Q is an element which is one in copper, zinc, aluminium and iron, its properties are as follows.

i) Q_2O_3 is found in nature but not affected by water.

ii) Two chlorides with formula QCl_2 and QCl_3 are formed by the metal. Identify the metal



Watch Video Solution

9. Draw the ray diagram showing the image formation by a convex lens, when the object is kept beyond $2F$, with the help of the diagram mention the nature of the image formed.



Watch Video Solution

10. What is the function of receptors in our body? Think of situations where receptors do

not work properly. What problems are likely to arise?



Watch Video Solution

11. Name the hormone secreted by an endocrine gland during emergency?



Watch Video Solution

12. Write a chemical equation of a reaction where the following change have taken place.

change in colour



Watch Video Solution

13. State the principle of an electric generator.



Watch Video Solution

V Answer The Following Questions

1. An electric geyser rated 1500W, 250 V is connected to a 250v line mains. Calculate the

electric current drawn by it, energy consumed by it in 50 hours and energy consumed if each unit cost Rs. 6.00.



Watch Video Solution

2. Write the differences between homologous organs and analogous organs.

(ii) Write the differences between the sex chromosomes of man and sex chromosomes of woman.

(iii) Sex of achildis determined by the latler.

How?



Watch Video Solution

3. Name the two laws of inheritance postulated by Mendel?



Watch Video Solution

4. Why does the sky appear dark instead of blue to an astronaut?



Watch Video Solution

5. How is plaster of paris prepared?



Watch Video Solution

Vi Answer The Following Question

1. a) List any four reasons for adopting contraceptive methods.

b) If a woman is using copper - T will it help in

protecting her from sexually transmitted diseases Why?



Watch Video Solution