

# BIOLOGY

## BOOKS - CAMBRIDGE BIOLOGY (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

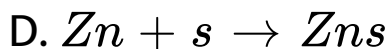
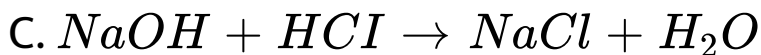
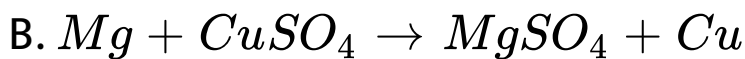
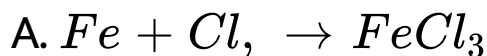
D. Either plane or convex

**Answer:**



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4. Which of the following is not a salt



**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. What is an 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 is oxidation ? What are oxidising agents and give example .



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**12.** Draw a diagram of structure of neuron  
label the following parts

i ) Axon ii)Dendrites



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**13.** Describe general properties of ionic compounds.



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**14.** Explain the process of determination in human beings .



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**15.** Draw the diagram of a simple electric generator. Label the following parts :  
[i] Brushes [ii] Rings.



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**16.** 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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**17.** What are the limitations of extracting energy from :

I ) The Wind II) Waves III) tides .



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**18. (i)** How does overload and short-circuit occur in an electric circuit ? Explain . What is the function of fuse during this situation ?

**(ii)** Mention two properties of magnetic field lines .



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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 difference to the management of water resources and



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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. What happens to the image distance in the eye when we increase the distance of an object from the eye ?



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**23. a)** What will happen plants is exposed to unidirectional light .

**b )** Compare and contrast nervous and hormonal mechanism for contral and coordination in animal



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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.** What is cinnabar ? How is a metal extracted from cinnabar ? Explain briefly.



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