



BIOLOGY

BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

MODEL QUESTION PAPER -1

Choose The Correct Answers

1. The components of water can be separated
by

A. Physical method

B. Chemical method

C. Both

D. They cannot be separated

Answer: B



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**2. Chromosomes are made up of nucleic acid
and**

A. Phosphorus

B. Protein

C. Sugar

D. Calcium

Answer: B



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3. The tissue which forms gland is

A. Epithelial

B. Connective

C. Nervous

D. Muscle

Answer: A



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4. In which the reproductive organs are hidden

A. Cryptogamae

B. Phanerogamae

C. Gymnosperms

D. Angiosperms

Answer: A



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5. Fielder giving a swing while catching a ball is an example of

A. Inertia

B. Momentum

C. Newton's II law of motion

D. Newton's I law of motion

Answer: C



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6. The relative density of silver is 10.8 and the density of water is 10^3 kg/m^3 . The density of silver is

A. $1.8 \times 10^4 \text{ N/m}^3$

B. $10.8 \times 10^4 \text{ kg/m}^3$

C. $1.8 \times 10^4 \text{ kg/m}^3$

D. $1.08 \times 10^4 \text{ kg/m}^3$

Answer: B



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7. How much time will be required to perform 520J of work at the rate of 20 w ?

A. 24 s

B. 16 s

C. 20 s

D. 26 s

Answer: D



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8. Dolphins, bats and propoise use

A. Ultrasound

B. Infra sound

C. both (a) and (b)

D. None of these

Answer: A



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9. Trypanosoma, Lcishmania and Plasmodium.

are the examples of

A. Virus

B. Bacteria

C. Protozoa

D. Worm

Answer: C



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10. Atomic energy is obtained by using ores of

A. Copper

B. Uranium

C. Neither (a) or (b)

D. Both (a) and (b)

Answer: B



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Matching

1. Match the following :-

A	B
1) K- shell	a) 2,8,1
2) L - Shell	b) 2
3) M- shell	c) 2,8, 8
4) Sodium	d) 18
	e) 8



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Answer The Following In Sentence

1. What do you mean by latent heat of fusion?



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2. What is organic farming ?



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3. Why does Mathura refinery pose problems to Taj Mahal?



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4. What are antibiotics?



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5. Who is known as Father of “Nuclear Physics”.



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6. List the difference between homogenous and heterogenous mixture.



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7. Write the chemical formulae of the following:

a) Magnesium chloride

b) Copper nitrate

c) Calcium oxide

d) Aluminium chloride

e) Calcium carbonate



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8. Define valency by taking examples of silicon and oxygen .



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9. What are plasma membrane ? What are their functions ?



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10. Name the following:

- a) Tissue that forms the inner lining of our mouth
- b) Tissue that connects muscle to bone in humans
- c) Tissue that transport food in plants
- d) Tissue that stores fat in our body .



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11. How do gymnosperms and angiosperms differ from each other?



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12. State the difference in balanced and unbalanced force.



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13. A battery lights a bulb. Describe the energy changes involved in the process.



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14. Define amplitude , time period and frequency of sound wave.



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15. Give the difference between acute disease and chronic disease.



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16. What are biogeochemical cycles ? Name the gas that is incorporated into life forms through photosynthesis



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17. What is genetic manipulation? how it is useful in agricultural practices?



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18. What are the benefits of cattle farming?



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19. Give the common methods of transmission of diseases.



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20. Explain the following terms

a) Nitrogen fixation b) Nitrification



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21. What is the physical state of water at

(a) $25^{\circ} C$, (b) $0^{\circ} C$, (c) $100^{\circ} C$.



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22. Calculate the number mass of following substance .

a) Ethyne , C_2H_2O

b) Sulphur molecule , S_8

Phosphorus molecules , P_4

d) Nitric acid, HNO_3

Nitric and , HNO_3



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23. Differentiate between parenchyma collenchyma and sclerenchyma on the basis of

their cell wall



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24. Differentiate between striated unstriated and cardiac muscles on the basis of their structure and site / location in the body



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25. What are the advantages of classifying organisms ?



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26. A bullet of mass 20 g is horizontally fired with a velocity 150 m/s from a pistol of mass 2 kg . What is the recoil velocity of the pistol ?



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