



BIOLOGY

BOOKS - CAMBRIDGE BIOLOGY (KANNADA ENGLISH)

MODEL QUESTION PAPER -3

I Choose The Correct Answer

1. Diamond is lustrous because

A. It is colourless

B. It is hard

C. It is pure

D. its refractive indies is high

Answer: D

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2. The main constituent of cell wall is

A. starch

B. cellulose

C. protein

D. none of these

Answer: B

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3. Coboidal : Epithillial : Cardiac :

A. Nervous

B. connective

C. epithelial

D. mascular

Answer: D



4. What is the phylum of octopus

A. Arthropoda

B. mollusca

C. annelida

D. cnidarian.

Answer: B

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5. The SI unit of force is

A. kg m/s

B. Kg m/ s^2

C. Newton

D. Newton meter

Answer: C



6. The relative density of silver is 10.8 and the density of water is 10 3 kg $/m^2$. The density of silver is

A. 1.8 imes 10^4 N/ m^3

B. 10.8 imes 10^3 N/ M^3

C. $1.8 imes 10^4$ kg/ m^3

D. $10.8 imes10^4~{
m kg}/m^3$





7. It the velocity of a body is doubled its kinetic energy.

A. gets doubled

B. becomes half

C. does not change

D. becomes 4 times

Answer: D



8. Speed (S), wave length (x) and frequency (v) of sound are related as

A. s = u x u

B. v = s x u

C. u = s x u

D. u = s/v





9. HIV virus attacks one of the following cells in our body.

A. Red blood cell

B. white blood cells

C. liver cell

D. long cell





10. Of straotsphere provides protection to our life

A. nitrogen

B. hydrogen

C. ozone

D. argan

Answer: C

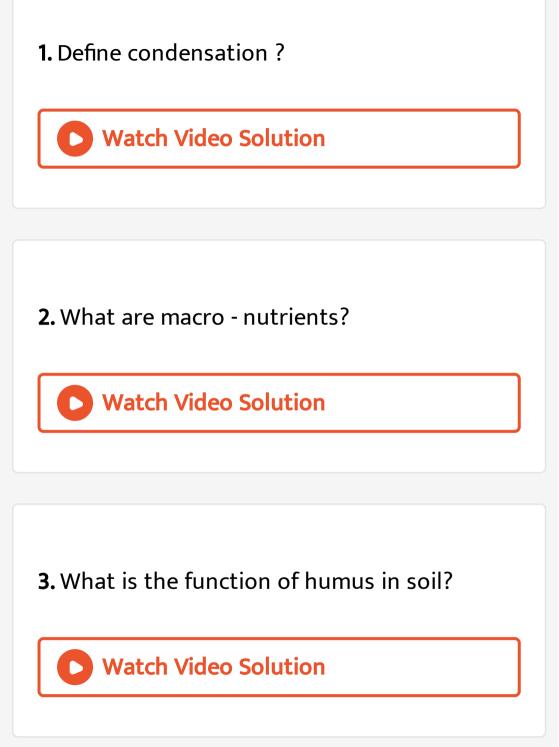


11. Match the following :

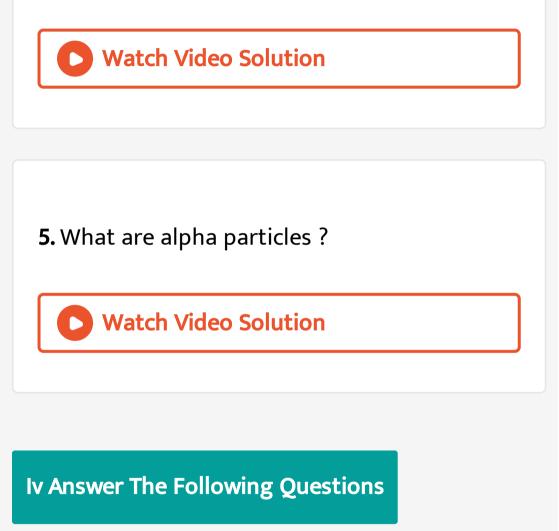
A	B
Hydrogen	$(a)\oplus$
carbon	(b) \odot
copper	$(c)\lambda$
phosphorus	(d) ullet

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Iii Answer The Following In Sentence



4. What are the infectious diseases?



1. What is the principle used in a pressure cooker ?

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2. Classify the following into elements, compounds and mixtures
(a) sodium (b) soil, (c) sugar solution (d) silver
(e) calcium carbonate (f) soap (g) tin (h) silicon (i) coal

- 3. Convert into mole
- (a) 12 g of oxygen gas
- (b) 22 g of carbon doxide



4. Define valency by taking examples of silicon

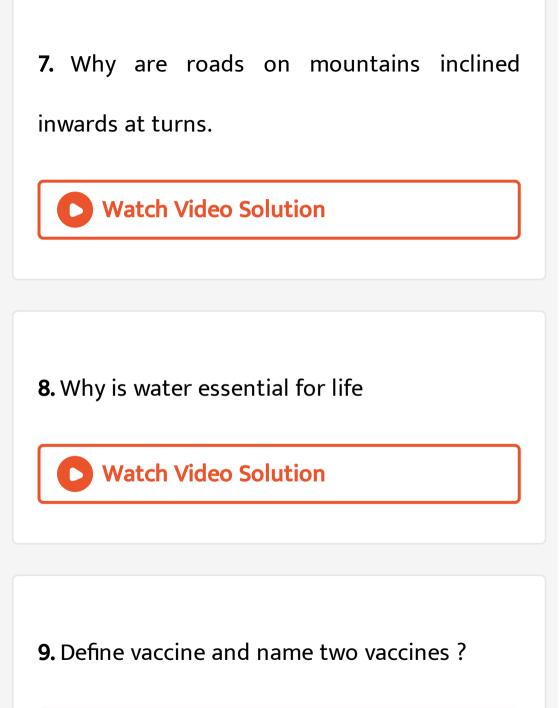
and oxygen

5. How do gymnosperms and angiosperms

differ from each other?



6. What happens to speed, velocity , acceleration when an object moves in a circle with uniform speed ?



10. Does sound followed the same laws of reflection as light does ? Explain.



11. An object of mass 1 kg is raised through a

height h, Its potential energy increased by 1

Joule. Find the height h

12. What is the importance of universal law of

gravitation ?



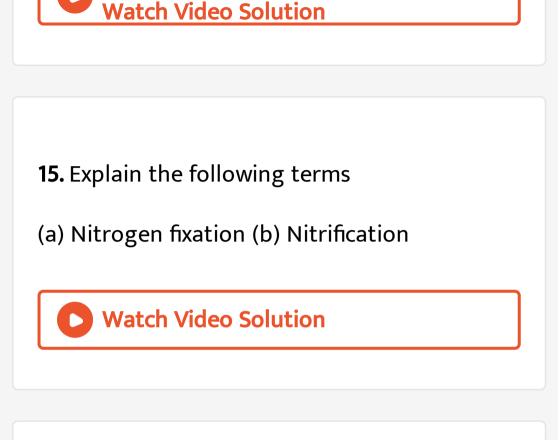
13. How do you differentiate between capture

fishing, mariculture and aquaculture?

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14. What are the benefits of cattle farming?





16. What is the physical state of water at

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

17. Calculate the mass of sodium sulphate required to prepared its 20% solution in 100g of water ?
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V Answer The Following Question

1. Differentiate between parenchyma collenchyma and sclerenchyma on the basis of their cell wall

2. Explain with examples

(a) Atomic number

Mass number

Isotopes

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3. If 12 g is carbon is burnt in the presence of

32g of oxygen, how much CO_2 will be formed.

Vi Answer The Following Question

1. Joseph jogs from end A to the other B of a straight 300m road in 2min 30 sec and then turn around and jogs 100m back to point c in another 1 minute. What are Joseph's average speeds and velocities in jogging (a) from A to B and (b) from A to C?

2. Describe with the help of a diagram , how compression and rarefractions are produced

in air near a source of sound

