

India's Number 1 Education App

BIOLOGY

BOOKS - FULL MARKS BIOLOGY (TAMIL ENGLISH)

SAMPLE PAPER - 11

Bio Botany Part I

1. Which of the most common mode of asexual

reproduction in bacteria ?

A. Endospore formation

B. Fission

C. Budding

D. Conidia

Answer: B

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2. Botanical survey of India has
 megional centres in

India.

A. 10

B. 11

C. 12

D. 13

Answer: B

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3. Which of the following is not a mitogen ?

A. Giberellin

B. Ethylene

C. Kinetin

D. Colchicine

Answer: D

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4. Enzymes that catalyse interconversion of optical, geometrical or positional isomers are

A. Ligases

B. Lyases

C. Hydrolases

D. Isomerases

Answer: D

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5. Which of the following is responsible for the mechanical support ,protein synthsis and enzyme transport

- A. cell membrane
- B. mitochondria
- C. dictyosomes
- D. endoplasmic reticulum

Answer: D

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6. Usually, the monocotyledons do not increase their girth, because

A. They possess actively dividing cambium

B. They do not possess actively dividing

cambium

C. Ceases activity of cambium

D. All are correct

Answer: B

7. Which bacterium is NOT involved in

Denitrification ?

A. Pseudomanas

B. Thiobacillus

C. Bacillus subtilis

D. Nitrobacter

Answer: D

8. Usually

chlorophyll

molecules are considered as physiological

units of photosynthesis.

A. 300 - 700

B. 200 - 300

C. 240 - 750

D. 200 - 280

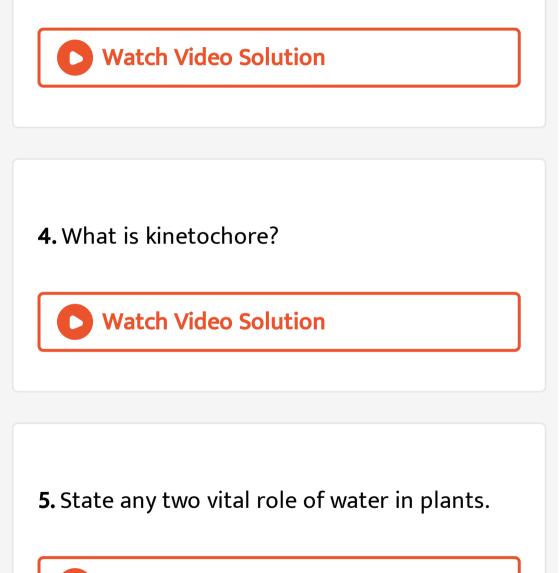
Answer: B

1. Define phycology.

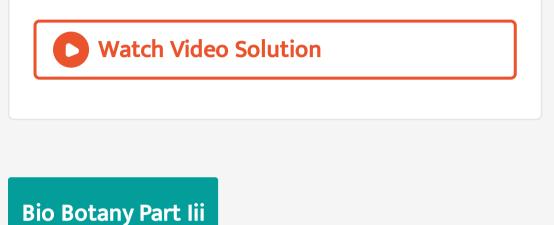
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2. How the seeds are classified based on endosperm?





6. Write the overall equation for respiration.



bio bocarry rare m

1. What are the different types of asexual

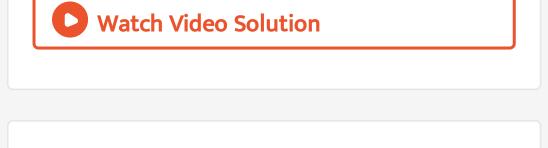
reproduction in living organisms.?

2. Study of morphology is important in taxonomy. Why?
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3. How lattice formation occurs in water molecule?

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4. Draw and label the structure of oxysomes.



5. Write a note on Epigeal & hypogeal germination.

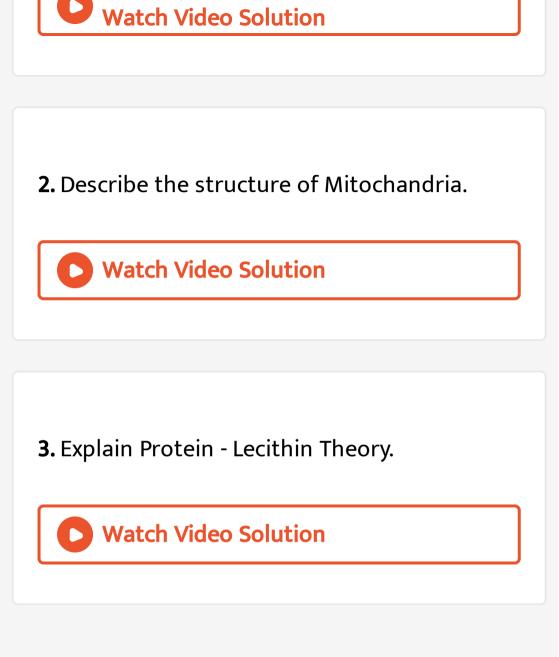
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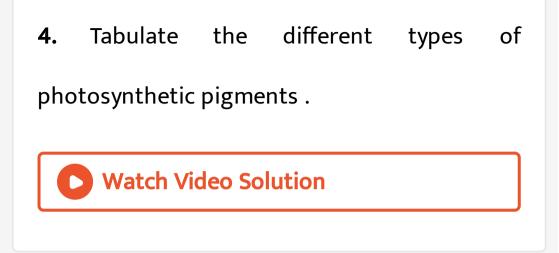
Bio Botany Part Iv

1. How are flowers classified based on the

position of ovary?







Bio Zoology Part I

A. Locomotion

B. Encystment

C. Sporulation

D. Binary fission

Answer: B



A. On blastocyst

B. Inhydrula stage

C. Radial canals of medusa

D. Bases of entacles of medusa

Answer: C

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3. Match the List I and List II :

List I	List II
(Name of bone)	(Number of Bones)
1. Fore limb	(i) 2
2. Skull	(ii) 2
3. Pectoral girdle	(iii) 29
4. Pelvic girdle	(iv) 60

A. 1 - (iv), 2 - (iii), 3 - (ii), 4 - (i)

D. 1 - (iv), 2 - (ii), 3 - (iii), 4 - (i)

Answer: A

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4. ABIS stands for

A. Anatomy Bee Identification system

B. Automatic Bee identification system

C. Automatic Book Identification system

D. Advanced Bee Identification system

Answer: B

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5. Which of the following is an correct statement ?

A. Glycosomes is the functional unit of the

skeletal muscle.

B. Skeletal muscle is attached to the bone
by a bundle of collagen fibres known as
fascicle.
C. Myoglobin is a red-coloured respiratory
pigment of the muscle fibre.

D. The cytoplasm of the muscle fibre is

called endomysium.

Answer: C

6. Which of the following is an incorrect statement?

A. Turtles spend most of their life in the water.

- B. Tortoises are primarily terrestrial.
- C. Most of the turtles are short and sturdy

with bent legs.

D. Carpace of tortoise is usually domeshaped.





7. A decrease in blood pressure/volume will not cause the release of.

A. Atrial natriuretic factor

B. Aldosterone

C. ADH

D. Renin





8. How many pairs of spinal nerve are found in human ?

- A. 33
- B. 32
- C. 31

D. 30





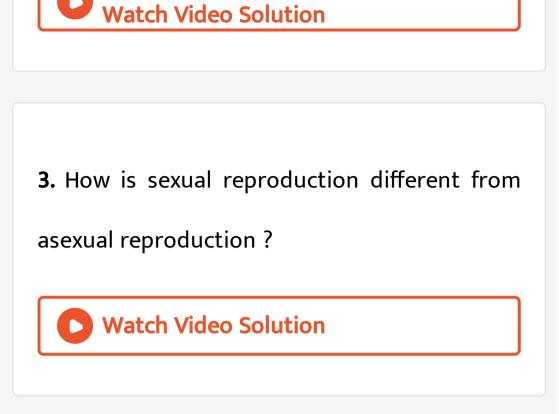


1. Define ecosystem.

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2. What are the larvae of flatworms?





4. Draw the diagram of Hiatus hernia.



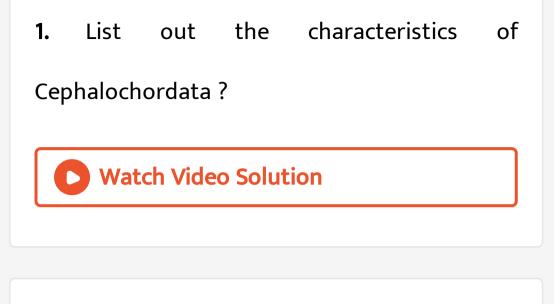
5. What is normal blood glucose level in human beings?
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6. Give the economic importance of prawn

fishery.



Bio Zoology Part Iii



2. Differntiate White adipose tissue from

Brown adipose tissue.

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3. How do earthworms breathe?





5. How does an isotonic contraction take place?

1. Write a short note on Vermitech and

Vermiculture, Vermicomposting, Vermiwash.

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2. Write a short note on respiratory capacities.

3. Draw the diagram of pelvic girdle with lower

limb.

