

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** 

Watch Video Solution

2. Botanical survey of India has
 megional centres in

India.

A. 10

B. 11

C. 12

D. 13

Answer: B

Watch Video Solution

3. Which of the following is not a mitogen ?

A. Giberellin

#### B. Ethylene

C. Kinetin

D. Colchicine

Answer: D

Watch Video Solution

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

A. Ligases

B. Lyases

C. Hydrolases

D. Isomerases

Answer: D

Watch Video Solution

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

Watch Video Solution

**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

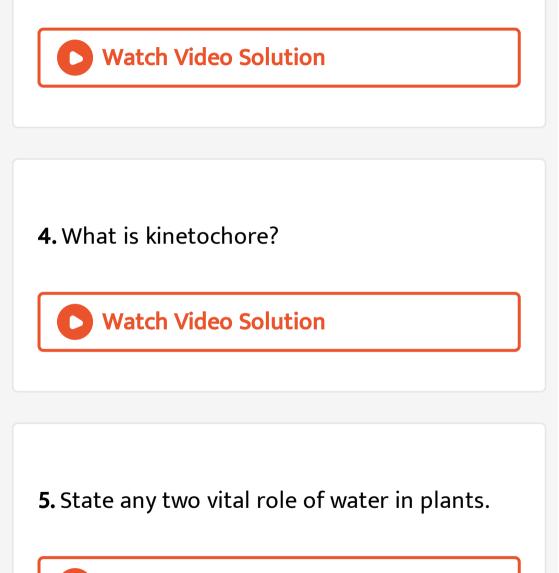
Answer: B

**1.** Define phycology.

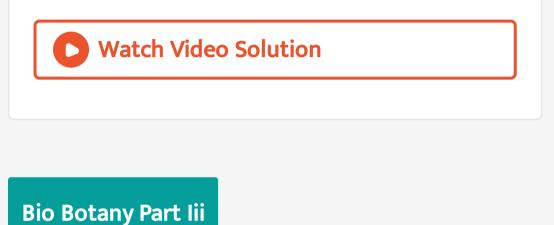
Watch Video Solution

**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?
Watch Video Solution

**3.** How lattice formation occurs in water molecule?

**Watch Video Solution** 

**4.** Draw and label the structure of oxysomes.



**5.** Write a note on Epigeal & hypogeal germination.

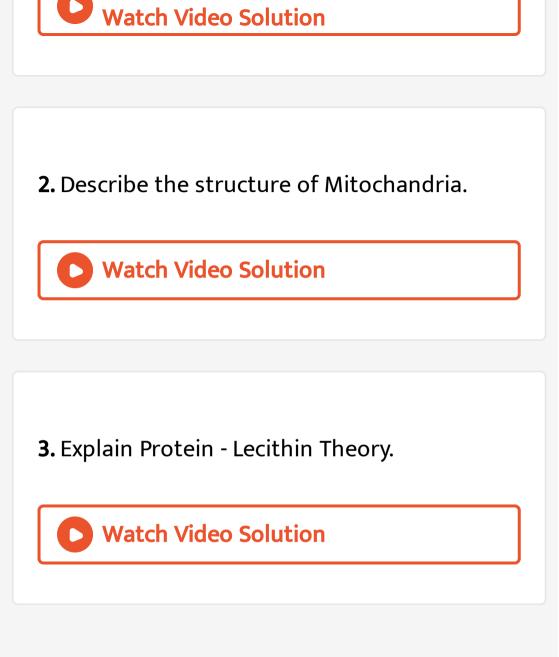
**Watch Video Solution** 

**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

### Watch Video Solution

#### 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

Watch Video Solution

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

**Watch Video Solution** 

**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.

**Watch Video Solution** 

2. What are the larvae of flatworms?





### **4.** Draw the diagram of Hiatus hernia.



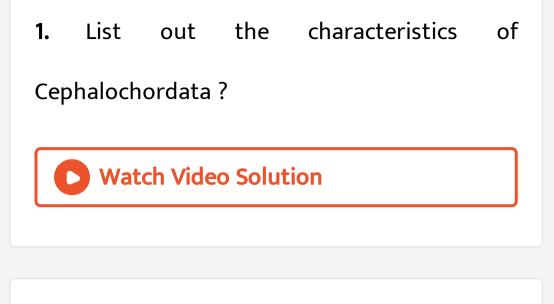
5. What is normal blood glucose level in human beings?
Watch Video Solution

**6.** Give the economic importance of prawn

fishery.



Bio Zoology Part Iii



2. Differntiate White adipose tissue from

Brown adipose tissue.

Watch Video Solution

3. How do earthworms breathe?





**5.** How does an isotonic contraction take place?

1. Write a short note on Vermitech and

Vermiculture, Vermicomposting, Vermiwash.

Watch Video Solution

2. Write a short note on respiratory capacities.

3. Draw the diagram of pelvic girdle with lower

limb.

