

India's Number 1 Education App

BIOLOGY

BOOKS - FULL MARKS BIOLOGY (TAMIL ENGLISH)

SAMPLE PAPER - 8 (SOLVED)

Bio Botany Part I

1. Identify the correct sequence regarding lytic cycle of viruses.

(A) Penetration (B) Adsorption (C) Assembly

(D) Synthesis

A. (ii), (i), (iv), (iii)

B. (iii), (i), (ii), (iv)

C. (ii), (iv), (i), (iii)

D. (i), (iv), (ii), (iii)

Answer: A



2. Zygote meiosis is characteristic of

A. Marchantia

B. Fucus

C. Funaria

D. Chlamydomonas

Answer: D

3. Pinus roots are in symbiotic relationship

with

A. Blue green algae

B. Mycorrhiza

C. Euglena

D. Rhizobium

Answer: B

4. Climbers are also called as

A. herbs

B. trees

C. vines

D. shrubs

Answer: C



5. Arrangement of sepals and petals in flower

bud is called

A. adhesion

B. aestivation

C. placentation

D. cohesion

Answer: B

6. Cell cyle was discovered by

A. Singer & Nicholson

B. Prevost & Dumans

C. Schleider & Schwann

D. Boveri

Answer: B

7. Parenchyma storing calcium carbonate crystals are called

A. Leucoplasts

B. Elaioplasts

C. idioblasts

D. Chromoplasts

Answer: C

8. Which of the folloiwng is a free-living

bacterium ?

A. Rhizobium

B. Clostridium

C. Escherichia

D. Cyanobacteria

Answer: B

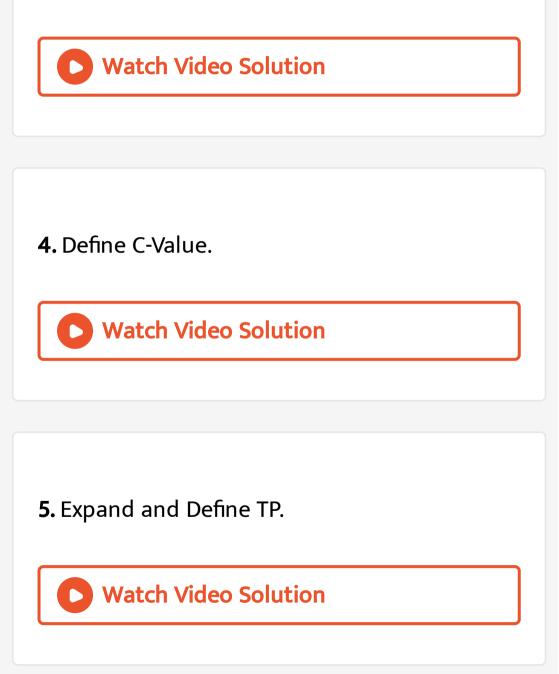
1. Distinguish between deoxyviruses and

riboviruses.

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2. What is plant morphology ?

3. What is continental flora?



6. Mention the events of Photochemical phase

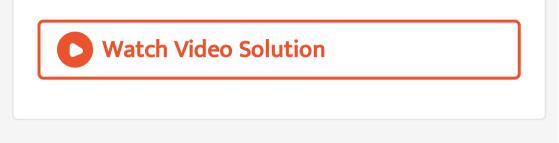
of light reaction.

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Bio Botany Part lii

1. Name some of the fossil rich sites of India.

2. What is a liana ? Mention its importance.



3. Enumerate the steps involved in herbarium

preparation.

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4. Draw and label the open vascular bundle.

5. When does an essential mineral is

considered as a "toxic" ?

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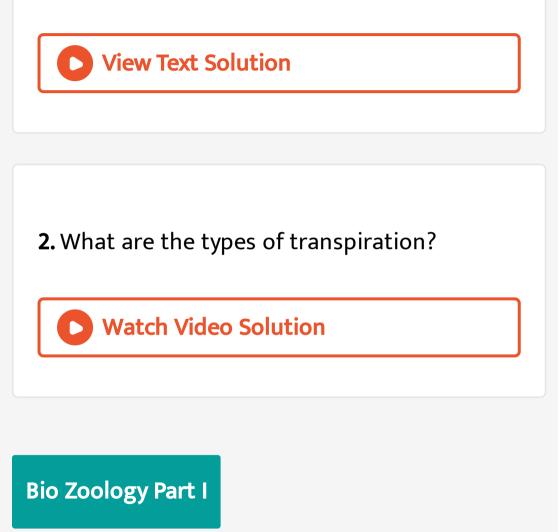
Bio Botany Part Iv

1. Tabulate the economic importance of algae.

OR

Explain Datura metal in botanical terms. Draw

floral diagram.



1. Entomology is concerned with the study of

A. Formation and properties of soil

B. Agricultural practices

C. Various aspects of human life

D. Various aspects of insect

Answer: D

2. Which is the site of production of blood cells?

A. Cartilage

B. Bone marrow

C. Blood

D. plasma

Answer: B

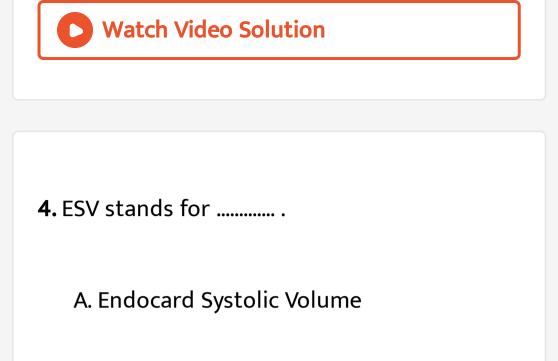
3. Match Column-I with Column-II and choose

the correct option.

- Column I Column II
- P. Lipase (i) Starch
- Q. Pepsin (ii) Cassein
- R. Rennin (iii) Protein
- S. Ptyalin (iv) Lipid

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

Answer: A



- B. End Systolic Volume
- C. Endocard Sound Volume
- D. Endocard Sinoatrial Volume

Answer: B

5. Which of the following statement is correct?

A. The descending limb of loop of Henle is

impermeable to water.

B. The ascending limb of loop of Henle is

permeable to water.

C. The ascending limb of loop of Henle is

impermeable to water

D. The descending limb of loop of Henle is

permeable to electrolytes

Answer: C



6. Which of the following statements are incorrect?

A. Basal epithelial cells are sensitive portions of the taste

B. Basal epithelial cells are stem cells which

divide and differentiate into new

gustatory cell

C. Gustatory hairs project form the tip of

the gustatory cells

D. Gustatory cells are sensory portion of

the taste

Answer: A

7. Serum Calcium level is regulated by

A. Thyroxine

B. FSH

C. Pancreas Assertion is true, but reason is

false

D. Thyroid and Parathyroid

Answer: D

8. Ca^+ Metabolism is regulated by

A. ACTH

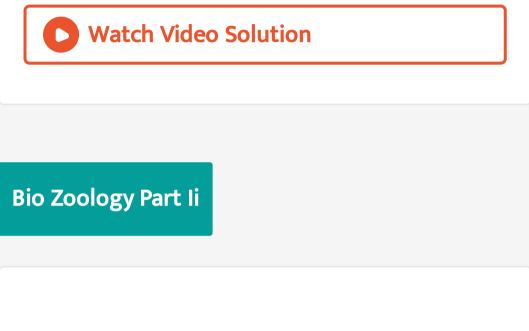
B. Thyroxin

C. Parathormone

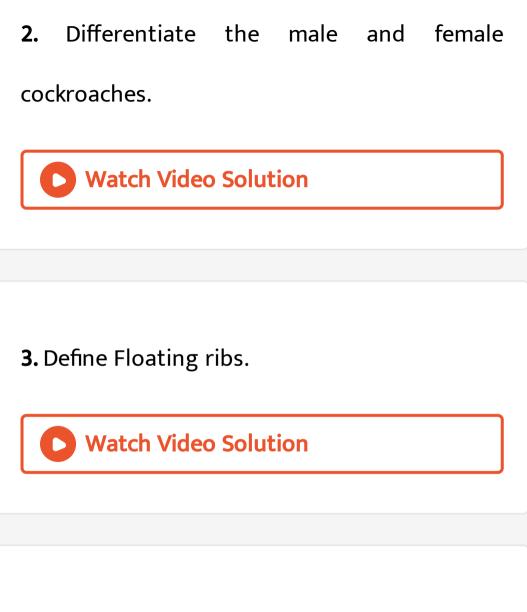
D. Epinephrine

Answer: A

9. What is Phylogenetic tree?



1. Write about Marbled cone snail.



4. Write a note on Tetany.

5. Explain the structure of the large intestine.

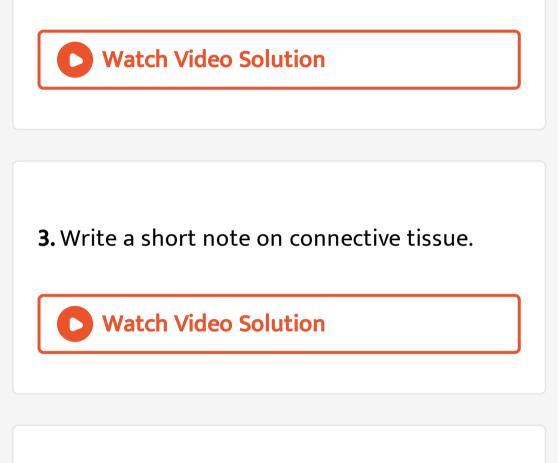


Bio Zoology Part Iii

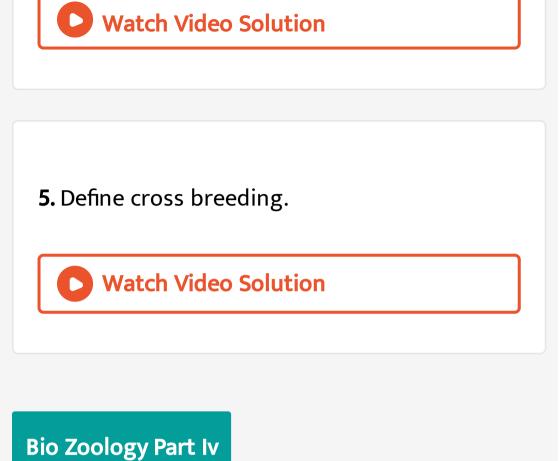
1. What is the need for classification?



and triploblastic animals.



4. Give the location of clitellum and spermathecal openings in Lampito mauritii.



1. Who proposed five kingdom classification?

Mention the five kingdoms.



2. What are the benefits of regular exercise?

