

# **BIOLOGY**

# **BOOKS - FULL MARKS BIOLOGY (TAMIL ENGLISH)**

# **SAMPLE PAPER - 15**

**Bio Botany Part I** 

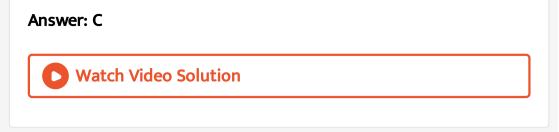
1. Actinomycetes comes under .....kingdom.

A. fungi

B. chromista

C. monera

D. protista



2. Which of the following are found in extreme saline conditions?

A. Archaebacteria

B. Eubacteria

C. Cyanobacteria

D. Mycobacteria

Answer: A



3. Which part of embryo develops into stem ?

A. Radicle

B. Micropyle

C. Ostia

D. Plumule

Answer: D

**Watch Video Solution** 

4. Duplicate specimen of holotype is

A. Lectotype

B. Isotype

C. Neotype

D. Syntype

### Answer: B

Watch Video Solution
<b>5.</b> Which is not a pyrimidine base?
A. Cytosine
B. Uracil
C. Guanine
D. Thymine
Answer: C
Watch Video Solution

6. Who coined the term Hadrome ?

A. Hanstein

B. Nageli

C. Hofmeister

D. Haberlandt

Answer: D



7. Exanthema in citrus caused by the deficiency of .....

A. Mo

B. Cu

С. В

D. Zn

#### Answer: B

<b>Watch Video Solution</b>	
<b>8.</b> Identify the non-climacteric fruit.	
A. Tomato	
B. Grapes	
C. Apples	
D. Mango	

Answer: **B** 



Bio Botany Part li

# 1. Write the distinguishing features of monera.

Watch Video Solution
<b>2.</b> What is plectostele? Give example.
Watch Video Solution
<b>3.</b> Name the three types of petals in papilionaceous corolla.

Watch Video Solution

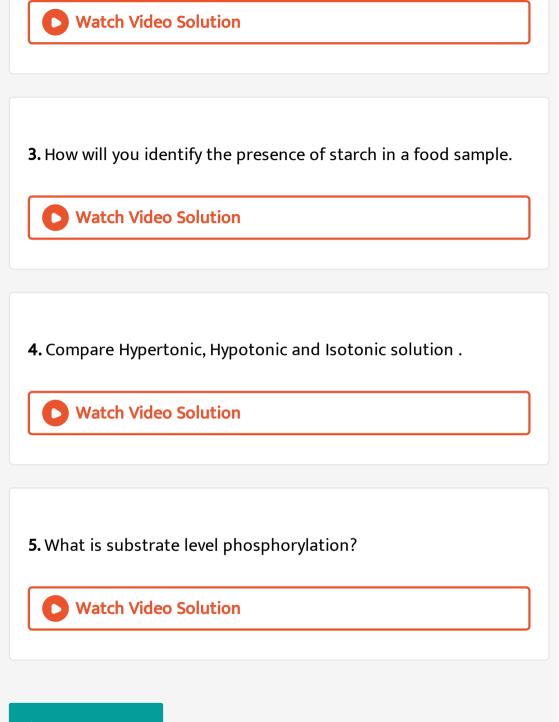
4. What is cytoplasmic streaming?

Watch Video Solution

## 5. How primary meristem differs from secondary meristem ?

Watch Video Solution
<b>6.</b> Given the overall equation of photosynthesis.
<b>Watch Video Solution</b>
Bio Botany Part lii
<b>1.</b> Write any three differences between chlorophyceae and phaeophyceae members?
Watch Video Solution

2. Describe fibrous root system.



**Bio Botany Part Iv** 

## **1.** Explain the various types of asexual reproduction in fungi.

Vatch Video Solution
<b>2.</b> Define special inflorescence.
Watch Video Solution
<b>3.</b> Explain in detail about the symbiotic nitrogen fixation with nodulation.

**Vatch Video Solution** 

**4.** Tabulate any two differences between Cyclic and Non-Cyclic

photphosphorylation.



**Bio Zoology Part I** 

1. Who coined the word Taxonomy?

A. Waksman

B. Candolle

C. Leuwenhoek

D. Louis pasteur

Answer: B



2. Mouth parts of housefly are

- A. Piercing and sucking type.
- B. Biting and sucking type.
- C. Sponging and sucking type.
- D. Biting and chewing type.

Answer: C



#### 3. Match the List I and List II :

List I (Character)

- List II (Segments of Metaphire posthuma)
- 1. Micronephridia (i) 15th to last segment
- 2. Meganephridia (ii) 18th Segment
- 3. Male genital pore (iii) 14th Segment
- 4. Female genital pore (iv) 7th to last segment

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

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

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

#### Answer: A

**D** Watch Video Solution

4. ANS stands for.....

A. Anterior Nervous System

**B.** Anterior Neuron System

C. Apical Nervous System

D. Autonomous Nervous System

Answer: D



5. Which of the following is an correct statement ?

A. Pulmonary embolism is an inflammation of the lining of

your bronchital tubes.

B. Bronchitis is a blood clot that occurs in the lungs.

C. Asthma is a condition in which airways narow and swell and

produce extra mucus.

D. Emphysema is a condition in which the pleura becomes

inflamed.

Answer: C

Watch Video Solution

6. Which of the following is an incorrect statement ?

A. Myoglobin is heme containing protein that binds molecular

oxygen in muscle cells.

- B. Sarcolemma is muscle cell membrane capable of propagating action potentials.
- C. Cartilage is a protein found in the cytoskeleton and muscle
- D. Mesoderm is a middle embryonic germ layer.

#### Answer: C

**Watch Video Solution** 

7. Urea is transformed through .....

## A. RBCs

B. WBCs

C. Blood plasma

D. All of the above

Answer: C

Watch Video Solution

8. Which is the skull bone

A. Atlas

B. Femur

C. Tibia

D. Nasal

Answer: D





1. What is e-taxonomic resources ?

Watch Video Solution

2. Define:-

Sjogren's syndrome

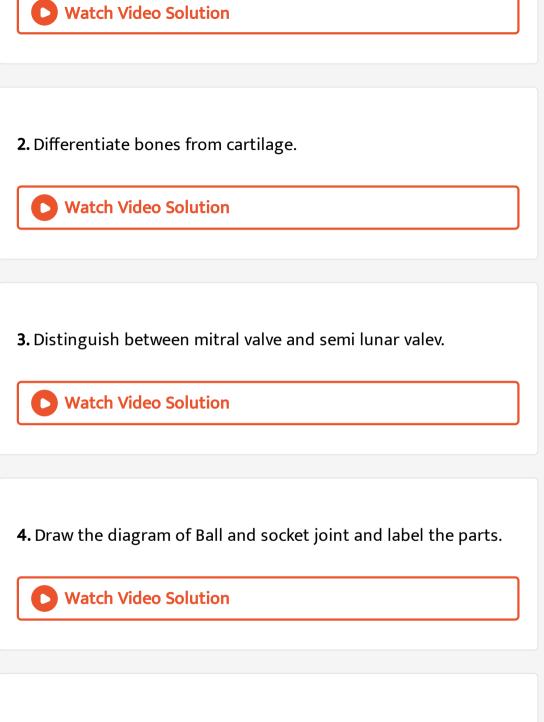
Watch Video Solution

3. Why are villi present in the intestine and not in the stomach?

> Watch Video Solution



<b>Watch Video Solution</b>
<b>5.</b> Name the different types of movement.
Watch Video Solution
<b>6.</b> List any three common uses of shellac.
Watch Video Solution
Bio Zoology Part lii
<b>1.</b> What are the advantages of bilateral synmmetrical animals?



5. What is amoeboid movement?





Bio Zoology Part Iv

**1.** Draw the digestive system of frog and label the parts.



**2.** Explain the conditions which creates problems inoxygen transport.

Watch Video Solution

**3.** List the disorders of muscular system.

Watch Video Solution

**4.** Comment on the social organization of honey bees.

