



BIOLOGY

BOOKS - FULL MARKS BIOLOGY (TAMIL ENGLISH)

SAMPLE PAPER - 17

Bio Botany Part I

1. Kojic acid is produced by

A. *Aspergillus terreus*

B. *Aspergillus niger*

C. *Aspergillus oryzae*

D. *Agaricus bisporus*

Answer: C



Watch Video Solution

2. When perennial plants bear fruits every year they are called as

A. polycarpie

B. ephemerals

C. annual

D. therophyte

Answer: A



Watch Video Solution

3. Imperfect flowers will have essential whorl(s).

A. only 1

B. 2

C. none

D. 4

Answer: A



Watch Video Solution

4. Scientist who named the cytoplasm as "Sarcode"
is_____

A. Dujardin

B. Corti

C. Purkinje

D. Hugo Van Mohl

Answer: A



Watch Video Solution

5. Number of carbon molecule in glucose is

.....

A. 4

B. 6

C. 8

D. 12

Answer: B



[Watch Video Solution](#)

6. Secondary growth is absent in.....

A. Gymnosperms

B. Angiosperms

C. Dicots

D. Monocots

Answer: D



[Watch Video Solution](#)

7. Pollen germination requires mineral.

- A. Copper
- B. Molybdenum
- C. Chlorine
- D. Boron

Answer: D



Watch Video Solution

8. Anaerobic respiration occurs only in

.....

A. Mitochondria

B. Golgi bodies

C. Nucleus

D. Cytoplasm

Answer: D



Watch Video Solution

1. What are sporophylls ?



Watch Video Solution

2. How velamen helps the Vanda plant ?



Watch Video Solution

3. Name the major classes of Bentham & Hooker Classification.



Watch Video Solution

4. Define cell pool and mention its constituents.



Watch Video Solution

5. Define Pith.



Watch Video Solution

6. State Blackman's law of limiting factor.



Watch Video Solution

1. Name the 3 types of life cycles seen in plants?



Watch Video Solution

2. Define venation. Mention its types.



Watch Video Solution

3. List out the properties of Water.



Watch Video Solution

4. Draw and label the transverse section of monocot stem.



Watch Video Solution

5. List the conclusions obtained by Hill's reaction.



Watch Video Solution

1. What are the two types of multiplication of phages?



Watch Video Solution

2. List out the economic importance of plants belonging to Solanaceae & their uses.



Watch Video Solution

3. Differentiate between stoma & hydathode.



Watch Video Solution

4. Explain the step involved in paper chromatography .



Watch Video Solution

Bio Zoology Part I

1. Parthenogenesis can be seen in

A. Frog

B. Honey bee

C. Moth

D. All of these.

Answer: B



Watch Video Solution

2. Fibroblasts macrophages and mast cells are present in :

A. Cartilage tissue

B. Areolar tissue

C. Adipose tissue

D. Glandular epithelium

Answer: B



Watch Video Solution

3. Match the List I and List II :

List I (Cranial nerves) List II (Function)

- | | |
|---------------------|-------------------------------|
| 1. Olfactory nerve | (i) Movement of the eye |
| 2. Optic nerve | (ii) Rotation of the eye ball |
| 3. Oculomotor nerve | (iii) Sense of sight |
| 4. Trochlear nerve | (iv) Sense of smell |

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

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

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

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

Answer: A



Watch Video Solution

4. ICMR stands for

A. Indian Council of Medical Research

B. Indian Centre of Medical Research

C. International Centre of Medical Research

D. Israel Centre of Medical Research

Answer: A



Watch Video Solution

5. Which of the following is a correct statement ?

A. Hyposecretion of thyroid in adults causes acromegaly.

B. Gigantism is due to hypersecretion of growth hormone (GH) in Children.

C. Simple goitre is also known as thyrotoxicosis.

D. Grave's disease is also called Tetany.

Answer: B



Watch Video Solution

6. Which of the following is an incorrect statement ?

A. The first Vertebra is called as the atlas.

B. The second Vertebra is called as the axis.

C. The Vertebral column protects the spinal cord.

D. The first six pairs of ribs are called true ribs.

Answer: D



Watch Video Solution

7. An example of gliding joints is

.....

A. Humerus and glenoid cavity

B. Femur and tibio – fibula

C. Occipital condyle and odontoid process

D. Zygapophyses of adjacent vertebrae

Answer: B



Watch Video Solution

8. Which of the following is not a effect of hypothyroidism ?

A. Mental stress

B. Edema

C. Increase Ca^{2+} level in blood

D. To be lethargic

Answer: A



Watch Video Solution

Bio Zoology Part II

1. What is Metagenesis?



Watch Video Solution

2. Write short notes on Rhabdomyosarcoma.



Watch Video Solution

3. Head of cockroach is called Hypognathous. Why ?



Watch Video Solution

4. What is the End Systolic Volume (ESV) ?



Watch Video Solution

5. Draw the diagram of cone cells and label the parts.



Watch Video Solution

6. The old age people are sick often, why ?



Watch Video Solution

Bio Zoology Part Iii

1. Name some Automated Species identification tools or Cyber tools.



Watch Video Solution

2. Why flatworms are called acoelomates?



Watch Video Solution

3. Differentiate between polycarpic and monocarpic perennial.



Watch Video Solution

4. Draw the diagram of skeletal muscle and label the parts.



Watch Video Solution

5. Specify the symptoms of acromegaly



Watch Video Solution

Bio Zoology Part Iv

1. Write brief notes on Arthropoda and Mollusca.



Watch Video Solution

2. Morphological and anatomical differences between *Lampito mauritii* and *Metaphire posthuma*.



Watch Video Solution

3. Tabulate the difference between sympathetic and para sympathetic neural system.



Watch Video Solution

4. Explain the mechanism of vision.



Watch Video Solution