

BIOLOGY

BOOKS - FULL MARKS BIOLOGY (TAMIL ENGLISH)

SAMPLE PAPER - 6 (SOLVED)

Bio Botany Part I

- 1. Syphilis is caused by......
 - A. Mycococcus candisans
 - B. Treponema pallidum

- C. Yersinia pestis
- D. Mycobacterium leprae

Answer: B



- 2. Who is called as the Father of Indian Phycology?
 - A. M.O. Parthasarathy
 - B. Y. Bharadwaja
 - C. V.S. Sundaralingam
 - D. V. Desikachary

Answer: A



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- 3. Which of the following plant possess sessile leaves?
 - A. Hibiscus
 - B. Mangifera
 - C. Psidium
 - D. Gloriosa

Answer: D



A. Pscudokaryotes
B. Prokaryotes
C. Mesokaryotes
D. Eukaryotes
Answer: D
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5. Number of fatty acids in triglyceride is
A. 1

4. Histone proteins are seen in the DNA of _____.

B. 2
C. 3
D. 4
Answer: C
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6. Principle behind the desalination of sea water is
·
A. Endosmosis
B. Diffusion
C. Reverse osmosis

D. Deplasmolysis

Answer: C



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7. In Emerson's first effect, the photosynthetic yield was dropped in the region above _____.

- A. 720 nm
- B. 620 nm
- C. 680 nm
- D. 600 nm

Answer: C



8. Which of the following plant hormone functions against auxin?

- A. Gibberellin
- B. Cytokinin
- C. Ethylene
- D. Abscisic acid

Answer: D



Bio Botany Part Ii

1. What is Porin? How it helps the bacteria?



2. Mention various types of stem seen in angiosperms.



3. Define inflorescence.



4. List out the disadvantages of Amitosis.



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5. Relay pump theory of Godlewski was proved in the year



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6. Define anaerobic photosynthesis.



Bio Botany Part lii

1. Who is called as founder of modern bacteriology?

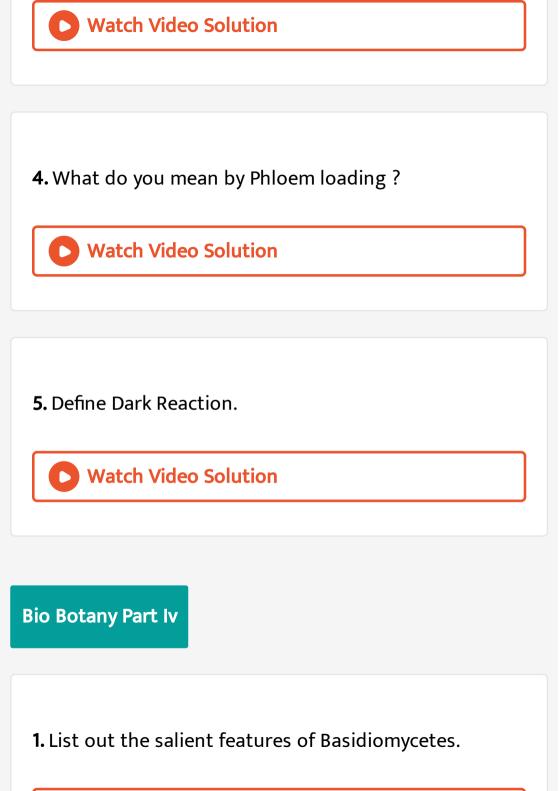
Mention his contribution?



2. List down the key difference between roots and shoots.



3. List the differences between taxonomy and systematics.





2. Write the general characteristic features of Pteridophytes.



3. Draw a Flow chart of Kreb's cycle.



4. Explain geometric growth rate?



Bio Zoology Part I

- 1. Which class of protozos is totally parasitic?
 - A. Sporozoa
 - B. Mastigophora
 - C. Ciliate
 - D. Sarcodina

Answer: A



2. Medusa is the Reproductive organs of
A. Hydra
B. Aurelia
C. Obelia
D. Sea anemone
Answer: B
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D. Sea anemone Answer: B

3. Match the List I and II:

List I ListII

- 1. Ball and socket (i) Knee
- 2. Hinge (ii) Humerus and pectoral girdle
- 3. Pivot (iii) Carpal and metacarpal of thumb

(iv) Atlas and axis

Answer: B

4. Saddle



4. Expand the acronyms

LH

- A. Luteinising hormone
- B. Langerhans hormone
- C. Low secretion hormone
- D. Luteotrophic hormone

Answer: A



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5. Which of the following statement is correct?

- A. Calcitonin and thymosin are thyroid hormones.
 - B. Pepsin and prolactin are selected in stomach.
 - C. Secretin and rhodopsin are polypeptide hormones.
- D. Cortisol and aldosterone are steroid hormones.

Answer: D



- **6.** Which of the following statement is incorrect regard to species _____.
 - A. They have similar morphological

- B. They are reproductively isolated
- C. They produce viable young ones
- D. They have similar anatomical features

Answer: B



- **7.** The kidney of adult mammals is _____
 - A. Opisthonephron
 - B. Pronephros
 - C. Mesonephros
 - D. Metanephros

Answer: D



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- **8.** Deficiency of vitamin D causes _____.
 - A. Scurvy
 - B. Leucopenia
 - C. Leukaemia
 - D. Rickets

Answer: D



1. Why mule is sterile in nature?



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2. Name and explain the type of barriers which involve macrophages.

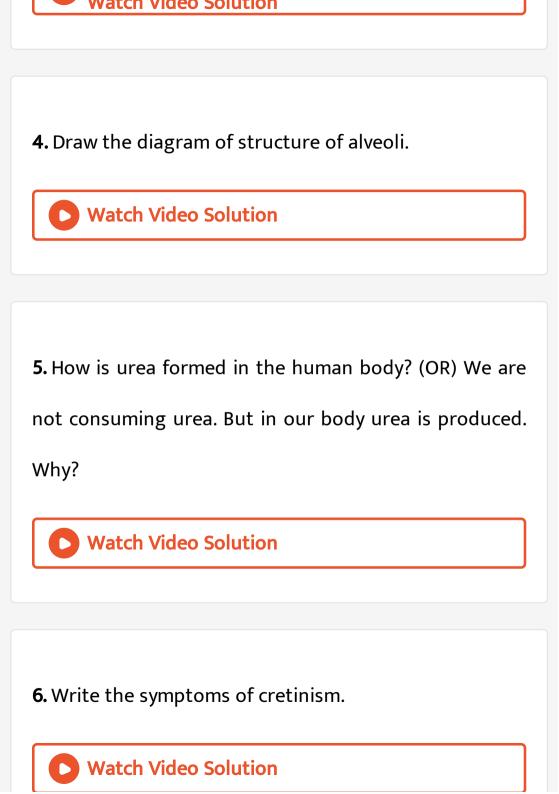


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3. Differentiate between peristomium and prostomium in earthworm.



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Bio Zoology Part Iii

1. What is Canal system?



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2. Draw the diagram of structure of the heart.



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3. The central nervous system has cranial and spinal nerves.



4. Mention the Subdivisions of the seven kingdom classification.



5. Write the differences between endocrine and exocrine gland.



Bio Zoology Part Iv

1. Explain the conditions which creates problems inoxygen transport.



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2. Explain the types of simple epithelium.



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3. Write a detailed account of gastro intestinal tract hormones



4. Discuss the various techniques adopted in cattle breeding.

