

BIOLOGY

BOOKS - SANTRA BIOLOGY (BENGALI ENGLISH)

LIFE AND ITS DIVERSITY



1. Which of the following is not a stage of life

span?

- A. Maturity
- B. Death
- C. Growth
- D. Dormancy



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2. The process of producing new individual organism is referred to as

B. Maturity
C. Reproduction
D. Metabolism
Answer:
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Watch Video Solution 3. Life originated in

A. Photosynthesis

B. Air
C. Water
D. Mountain
Answer:
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4. Chemical theory for origin of life was given

A. Stanley

B. Oparin and Halden

- C. Spallanzani
- D. Louis pasteur



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- 5. Coacervates are
 - A. Lipoproteins
 - B. Mixtures of ammonia, carbohydrates and

wa

- C. Colloidal suspensions
- D. Fatty acids and nitrogenous compounds



- 6. The power to respond to stimulus is
 - A. Growth
 - B. Irritability
 - C. Energy utilization

D. Reproduction

Answer:



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7. Father of Biology

- A. Lamarck
- B. Aristotle
- C. Pliny
- D. Theophrastus



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8. The branch which deals with the plants in called

- A. Zoology
- B. Microbiology
- C. Botany
- D. Histology



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9. The branch dealing with the microscopic organisms

A. Botany

B. Zoology

C. Bio-chemistry

D. Microbiology



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10. Study of virus is known as

A. Virology

B. Bacteriology

C. Cytology

D. Morphology

Answer:

11. Which branch deals with the study of various aspects of genes?

A. Mylogy

B. Pathology

C. Genomics

D. Osteology

Answer:



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- 12. Branch of applied zoology is
 - A. Apiculture
 - B. Agriculture
 - C. Horticulture
 - D. Pharmacology

Answer:



13. The termTaxonomy was coined by

- A. Theophrastus
- B. Pliny
- C. Linnaeus
- D. De candole

Answer:



14. The lowest	category in	taxonomi	c hierarchy
is			

- A. class
- B. kingdom
- C. species
- D. phylum



15.	Which	of	the	following	have	notochord
thro	oughou	t lif	e?			

- A. Amphioxus
- B. Snake
- C. Fish
- D. Birds



16. The stucture absent in bacteria is

- A. Centriole
- B. Plasmid
- C. Flagella
- D. Nucleoid

Answer:



17. In paramoecium, the phenomenon of cycle associated with

- A. excretion
- **B.** locomotion
- C. reproduction
- D. digestion

Answer:



- A. Spermatophytes
- B. Anthrophytes
- C. Cormophytes
- D. Xerophytes



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19. Scientific name of Rohu fish is

B. Labeo rohita
C. Catla catla
D. Torpedo torpedo
Answer: Watch Video Solution
20. Duck is included under the class
A. Reptilia

A. Myxine

- B. Amphibia
- C. Aves
- D. Condichthyes



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Fill In The Blanks

1. Oparin and _____proposed the chemical evolution of life.



2. Protoplasm is present in living_____



3. Metabolic processes are of two kinds___and___.



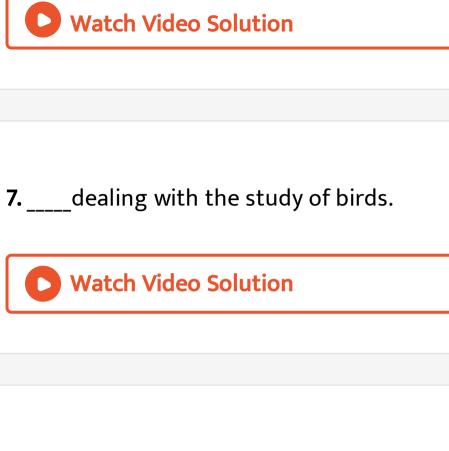
4. Non living objects are___object.

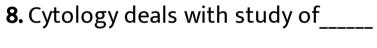


5. ____deals with the study of heredity and variations in the organisms.



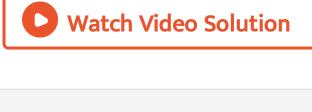
6. ____dealing with different aspects of insects.







9. The nature of the Margosa tree is____.



10. Direct lateral conjugation is found in	
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11. A symbiotic bacterium is_____.



12. Annelids have a____circulatory system.



13. Contractile vacuoles are absent in protozoans.



14. Excretory cells in platyhelminthes are known as____



True Or False

1. S.W. Fox proposed the microsphere model.



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2. Oparin opined that coacervate was the first cellular organism



3. All organisms are made of cellulose.



4. Reproduction is the process new individual organism



5. The branch dealing with the microscopic organisms is called Microbiology.

6. Horticulture dealing with the conservation of soil.



7. Dairy dealing with the rearing of cattles and production of milk.



8. Entomology dealing with different aspects of insects.



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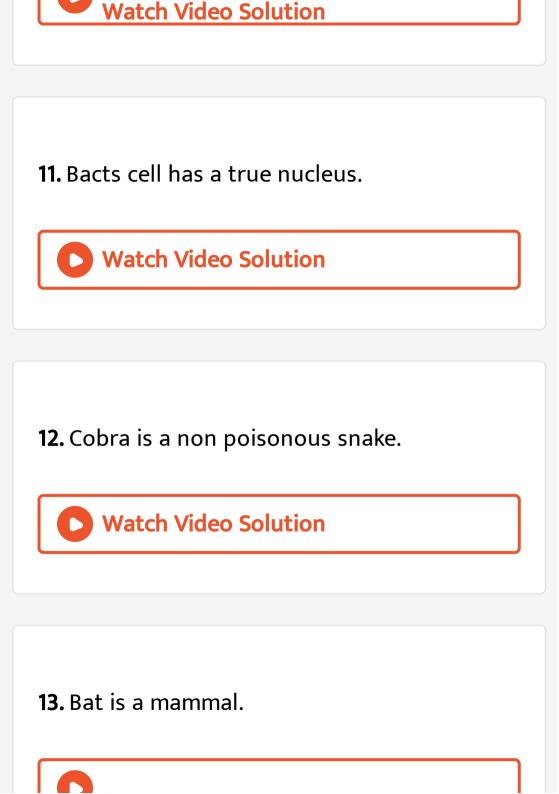
9. Seed bearing plants are spermatophytes.



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10. Angiosperm originated about 100 million years ago.







14. Ostrich is a flightless



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Very Short Type Questions

1. Define irritability.



2. What is metabolism ?
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3. What is unicellular organism?
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4. Who proposed coacervate model?
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5. Mentain the origin of complex organic compounds.



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6. Who is father of Biology?



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7. What is space Biology?



8. Name two medicinal plants.



9. Give an example of antibiotic.



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10. What is Botany?



11. What is taxonomy?



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12. Who developed the binomial system of nomenclature?



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13. What is the mode nutrition in Euglena?



14. What is tangled mass of the hyphae called



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15. What is sporophyte?



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16. Give an example of Cephalochordata,



Short Answer Type Questions

1. What is life?



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2. What is Hotdilutesoup?



3. What is chemical evolution?
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4. What is microsphere model?
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5. What is Biology ?

6. What is Pisciculture? **Watch Video Solution** 7. Define poultry? **Watch Video Solution**

8. What is Livestock?

9. Write the name of branches of applied Botany.



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10. Define taxonomic hierachy.



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11. What is angiosperm?



12. What is the nature of vascular bundle gymnosperms?



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13. What is algae?



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14. What is hypha?

15. State two important vertebrate characters which are absent in invertebrates chordates.



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Long Answer Type Questions

1. Describe the coacervate model.



2. Differeces between living organism and non-living object.



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3. Describe brief about the different characteristics of life.



4. Mention the possible steps that has lead to the origin of life



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5. What is Biology? What use the main branches Biology.



6. What are the other branches of Science into Biology?



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7. Describe the application Biology in Modern Biology.



8. Describe the application of Biology in Medicine and space Biology.



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9. Write a brief notes about the rules of nomenclature.



10. Describe the general characteristics of pteridophy.



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11. Mention the main characteristics features of bryophytes.



12. Discuss the identifying characters of Monera and protista.



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13. Write the three characteristic features of Annelida and Arthropoda.



14. Describe the genral character of chondrichthyes or Osteichthyes. Mention a few examples.



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15. Describe the general characters of class Amphibia or Reptilia, also mention a few examples of the class.

