



BIOLOGY

BOOKS - SANTRA BIOLOGY (BENGALI ENGLISH)

LIFE AND ITS DIVERSITY

Mcqs

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

A. Maturity

B. Death

C. Growth

D. Dormancy

Answer:



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

A. Photosynthesis

B. Maturity

C. Reproduction

D. Metabolism

Answer:



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3. Life originated in

A. Soil

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

Answer:



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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

Answer:



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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

Answer:



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8. The branch which deals with the plants in called

A. Zoology

B. Microbiology

C. Botany

D. Histology

Answer:



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9. The branch dealing with the microscopic organisms

A. Botany

B. Zoology

C. Bio-chemistry

D. Microbiology

Answer:



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10. Study of virus is known as

- A. Virology
- B. Bacteriology
- C. Cytology
- D. Morphology

Answer:



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

A. Myology

B. Pathology

C. Genomics

D. Osteology

Answer:



12. Branch of applied zoology is

- A. Apiculture
- B. Agriculture
- C. Horticulture
- D. Pharmacology

Answer:



13. The term *Taxonomy* was coined by

A. Theophrastus

B. Pliny

C. Linnaeus

D. De Candolle

Answer:



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14. The lowest category in taxonomic hierarchy is

A. class

B. kingdom

C. species

D. phylum

Answer:



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15. Which of the following have notochord throughout life ?

A. Amphioxus

B. Snake

C. Fish

D. Birds

Answer:



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16. The structure absent in bacteria is

A. Centriole

B. Plasmid

C. Flagella

D. Nucleoid

Answer:



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17. In paramoecium, the phenomenon of cycle associated with

A. excretion

B. locomotion

C. reproduction

D. digestion

Answer:



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18. Angiosperms are called

A. Spermatophytes

B. Anthrophytes

C. Cormophytes

D. Xerophytes

Answer:



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19. Scientific name of Rohu fish is

A. Myxine

B. Labeo rohita

C. Catla catla

D. Torpedo torpedo

Answer:



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20. Duck is included under the class

A. Reptilia

B. Amphibia

C. Aves

D. Condichthyes

Answer:



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Fill In The Blanks

1. Oparin and _____proposed the chemical evolution of life.



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2. Protoplasm is present in living_____



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3. Metabolic processes are of two kinds _____and_____.



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4. Non living objects are ___ object.



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5. ___ deals with the study of heredity and variations in the organisms.



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6. ___ dealing with different aspects of insects.



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7. _____ dealing with the study of birds.



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8. Cytology deals with study of _____



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9. The nature of the Margosa tree is ____.



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10. Direct lateral conjugation is found in _____



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11. A symbiotic bacterium is _____.



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12. Annelids have a _____ circulatory system.



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13. Contractile vacuoles are absent in____protozoans.



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14. Excretory cells in platyhelminthes are known as_____



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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



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3. All organisms are made of cellulose.



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4. Reproduction is the process new individual organism



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



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6. Horticulture dealing with the conservation of soil.



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



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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.





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11. Bacts cell has a true nucleus.



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12. Cobra is a non poisonous snake.



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13. Bat is a mammal.





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14. Ostrich is a flightless



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Very Short Type Questions

1. Define irritability.



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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. Maintain 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 ?



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8. Name two medicinal plants.



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9. Give an example of antibiotic.



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10. What is Botany ?



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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 ?



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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,



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Short Answer Type Questions

1. What is life ?



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2. What is *Hotdilutesoup* ?



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3. What is chemical evolution ?



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4. What is microsphere model ?



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5. What is Biology ?



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6. What is Pisciculture ?



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7. Define poultry ?



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8. What is Livestock ?



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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 ?



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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 ?





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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.



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



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3. Describe briefly about the different characteristics of life.



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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.



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



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7. Describe the application Biology in Modern Biology.



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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.



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10. Describe the general characteristics of pteridophy.



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11. Mention the main characteristics features of bryophytes.



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12. Discuss the identifying characters of Monera and protista.



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



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14. Describe the general 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.



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