



BIOLOGY

BOOKS - SANTRA BIOLOGY (BENGALI ENGLISH)

CONTROL AND COORDINATION IN LIVING ORGANISMS

Mcqs

1. Who discovered the sensitivity of plant?

A. Pavlov

B. J.C. Bose

C. Darwin

D. Went

Answer:



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2. Which type of movement show in VOLVOX?

A. Phototropic

B. Thermonastic

C. phototactic

D. Geotropic

Answer:



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3. Chemonastic movement is found in

A. Drosera

B. Sunflower

C. Oxalis

D. Mimosa

Answer:



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4. Which type of movement found in tulip?

A. Seismonastic

B. Hydrotropic

C. Thermonastic

D. Photonastic

Answer:



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5. Which is the natural auxin?

A. 2,4-D

B. NAA

C. IAA

D. IPA

Answer:



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6. Seed germination is induced by which hormone?

A. gibberellic acid

B. auxin

C. cytokinin

D. aba

Answer:



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7. Which hormone delay leaf senescence?

A. auxin

B. gibberellin

C. cytokinin

D. iaa

Answer:



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8. Which is the synthetic hormone?

A. iba

B. aba

C. auxin

D. cytokinin

Answer:



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9. ACTH is secreted from

A. pituitary

B. thyroid

C. adrenal

D. gonads

Answer:



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10. Diabetes insipidus is caused by the deficiency of

A. insulin

B. gth

C. thyroxine

D. adh

Answer:



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11. Thyroxin is secreted from

A. thyroid

B. pituitary

C. gonad

D. pancreas

Answer:



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12. Which of the is associated with schwann cell?

A. Dendrite

B. Axon

C. cell body

D. Synapse

Answer:



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13. Enlargement of thyroid is the symptom of the disease

A. dwarfism

B. goitre

C. diabetes melitus

D. acromgaley

Answer:



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14. Where is node of ranvier located?

A. myelinated axon

B. dendrite

C. cell body

D. synapse

Answer:



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15. Where is pupil situated ?

A. Retine

B. Lens

C. Iris

D. Cornea

Answer:



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16. The balance organ of brain is

A. cerebrum

B. cerebellum

C. hypothalamus

D. pons

Answer:



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17. Cerebrum is the part of

A. fore brain

B. hind brain

C. mild brain

D. spinal cord

Answer:



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18. Where is image formed in eye?

A. Sclera

B. Retina

C. Cornea

D. Lens

Answer:



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19. Which one is mixed gland?

A. Pituitary

B. Liver

C. Tear gland

D. Thyroid

Answer:



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20. The surface area of wings is increased in bird by the help of

A. pectralis mojour

B. pectralis minor

C. remiges

D. rectrices

Answer:



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Fill In The Blanks

1. In _____ ciliary movement is observed.



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2. _____ discovered the sensitivit of plant.



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3. Production of seedless fruit is called _____





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4. _____ is the long process of nerve cell body.



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5. _____ helps to reduce blood sugar.



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Mention True Or False

1. STH is a proteinaceous animal hormone.



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2. Cytokinin present in the liquid endosperm of coconut.



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3. Triceps is a kind of extensor muscle.



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4. Closure of leaflets of mimosa pudica is nutation.



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5. TSH plays a major role in back mechanism.



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Very Short Answer Vsa Type Questions

1. Give an example of seismonastic movement in plant.



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2. Name the secondary plant organs where transversely geotropic movement is found.



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3. Write the types of tropic movement.



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4. Flowers of tulip shows what type of nastic movement?



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5. Which hormone helps to produce seedless fruits?



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6. Give the full name of IAA.



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7. What is synthetic hormone?



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8. Which hormones helps in apical dormancy in plant?



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9. What do you mean by natural auxin?



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10. Name the precursor of IAA synthesis.



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11. From which gland GTH is secreted?



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12. Give the full name of STH.



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13. From which gland prolactin is



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14. Write full form of ADH.



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15. Choose the odd one and write it: TSH, ACTH, GTH, CSF.



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16. Write one function of myelin sheath.



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Short Answer Sa Type Questions

1. What is nastic movement?



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2. What is geotropic movement?



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3. What is hydrotropic movement with example.



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4. Write two differences between tropic and nastic movement.



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5. Give two examples of auxin which are used in agriculture?



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6. Write two function of cytokinin?



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7. What is parthenocarpy?



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8. Mention two differences between plant and animal hormone.



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9. What is endocrine gland?



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10. What is diabetes mellitus?



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11. From where are thyroid stimulating hormone and thyroxine secreted?



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12. State the name and one function of the hormone secreted from

Is ≤ tsofLan ≥ rhans.



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13. Write any one function of each of cerebrum, cerebellum and medula oblongata.



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14. What is synapse? What is its function?



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15. Write two differences between tropic movement and nastic movement



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16. Write two roles of GTH in the secretion of hormone from the reproductive glands in

human body.



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Long Answer La Type Questions

1. What are the tropic,tactic and nastic movement. Describe with example.[2+3]



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2. Describe two types of tropic movements in plants.



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3. Discuss the types of nastic movements with example.



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4. Write three difference among tactic,tropic and nastic movement.



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5. Define hormone. State the characteristics of hormone.[2+3]



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6. Describe the sources and functions of auxin.



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7. State the sources and function of gibberellins and cytokinin.[2+3]



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8. State the function of synthetic hormones.



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9. What are the endocrine glands of man and where are they located? What are the hormones secreted from them? [3+2]



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10. Write the function of ADH. Where is it secreted? [3+2]



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11. Where from GTH and STH are secreted?
Mention and two functions of each STH and
GTH.[2+3]



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12. Write the hormones name secreted from
pituitary. Write one of the function of each
hormones.[2+3]



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13. What is neurone? Describe the structure of neurone with diagram.[2+3]



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14. What is reflex action? Explain it with example.[2+3]



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15. What is locomotion? Mention the role of cerebellum and inner ear in human locomotion?[2+3]



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16. Draw a neat diagram of the vertical section of the eyeball of human eye and label the following parts:(a) cornea,(b) Lens,(c) Vitreous humor,(d) Retina.



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