



BIOLOGY

BOOKS - UNITED BOOK HOUSE

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1. Write the answer in complete sentence by choosing the correct answer .

A. Under the influence of auxin, the xylem tissue length increases with increasig diffusive pressure B. Auxin soften the cell wall C. Auxin helps in cell division D. Auxin increase the length of internode and breaks the dormancy of seed and bud

Answer:

2. Identify which hormone amount increase in blood in time of anger,fear etc-

A. Oxitocene

B. Adrinaline

C. STH

D. Vesopressin

Answer:

3. Calculate the number of mix nerve within -Facial nerve, Vegas nerve, Glossopharyngial nerve, Optic nerve, Hypoglossla nerve.

- A. 2
- B. 3
- C. 1
- D. 4

Answer:



4. Which of the following organisms reproduce asexually through spore?

A. Spouge, Spirogyra

B. Mucor, Rhizopus

C. Sponge, Hydra

D. Hydra, Planaria

Answer:

5. Determine which of the following is not a characteristic of karyokinesisA. Prophase, Metaphase, Anaphase,

Telophase-Driven by these four

subphases

B. Lasts for a long time

C. In this way the number of cells increase

D. In this way number of nucleus increases

Answer:

6. Select which of the following statement is correct regarding self pollination-

A. carrier is not required

B. there is no possiblity of the emergence

of new traits of the other organism

C. Only happen in single flower

D. Many pollens are wasted

Answer:





7. Which of the following pair is correct?

A. BBrr-Black and rough

B. bbRr-White and rough

C. BBRr-White and smooth

D. BBRR-Black and smooth

Answer:

8. Which of the following word is not related

with heredity?

A. Allele

B. Dominant character

C. MIcropropegation

D. Genotype

Answer:

9. Determine when a daughter may become colour blind?

A. IF father a colour blind

B. Only if mother is colour blind

C. Mother is carrier and father is colour

blind

D. Mother is carrier but father is norma

Answer:

10. Determine for which of the folloiwng bee do waggle dance-

A. New bee hive formation

B. Avoid enemy attacks

C. Search for food sources

D. Finding a breedng partner

Answer:

11. Who proposed the law of use and disuse of

organ?

A. Fleming

B. Lamarck

C. Darwin

D. The Vris

Answer:

12. Which of the following is divergent evolution?

A. Tentrils of pea and Jhumkolata

B. Wing of insect and bat

C. Wing of bird and forelib of whale

D. Sweet potato and round potato

Answer:

13. Choose which of the following pair is correct?

A. SPM-Air pollution

B. SPM-Water pollution

C. SPM-Noise pollution

D. SPM-Soil pollutiobn

Answer:

14. Identify the source of CO_2 , CH_4 and CFC-

A. Fossil fuel burning, Refrigerator, Decomposition of orgnaic waster B. Air conditioner, smoke from thermal power plant, combustion of fossil fuel C. Combustion of fossil fuel, Decomposition of organic waste, **Refrigerator, Air conditioner**

D. Refrigerator, Combustion of fossil fuel,

Air conditioner

Answer:



15. While incubating the shell of egg of fish

eating bird break'-Identify its proper cause-

A. Global warming

B. Eutrophication

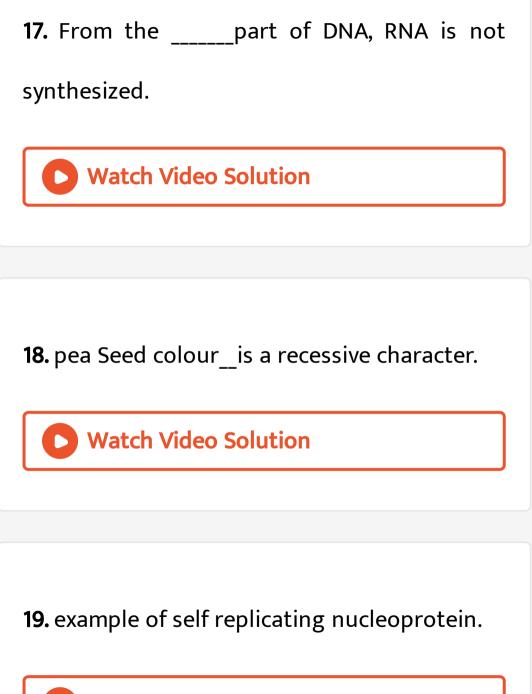
C. Bio-magnification

D. Nitrification

Answer:



16._____hormone develops apical bud.



20. Infection in the mucous membrane of respiratory tract and dry cough are the symtom of _____.

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21.____From Brazil is an exotic species which

invades here.

22. Decide whether the following statements

are true or false:

Coughing is an innate reflex action.

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23. Decide whether the following statements are true or false:

Mitosis takes place in, Ovule and Zygospore.

24. Decide whether the following statements

are true or false:

Pure organisms are always heterozygote.

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25. Decide whether the following statements are true or false:Beneficial mutations trasmits and aggregrate

genetically.

26. Decide whether the following statements are true or false:

Bacillus mycoides is a nitrifying bacteria.



27. Decide whether the following statements are true or false:

Yellow spot and blind spot are the part of coroid.



28. Choose the odd one and write it:

Auxin, Gibberellin, Oxytocin, Cytokinin.



29. Which part of brain controls cardiovascular

system and Respiration?



30. Given below a pair or related terms. Write suitable word in the gap of second pair, following the relationship in the first pair.
Anemophily flower, maize:: Entomophily flower:_____

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31. What will be the genotype of a pure recessive guineaping produced in dihybrid cross.



32. Which feature is expressed in the

phenotype when in hybrid condition.



33. When you visit Rajasthan, your see thron

instead of leaf in cactus- Why do you think this

has changed?

34. Among the followig four three include the othe one. Find out that term and write its. Zoo, Ex-situ conservation, Botanical garden, Cryopreservation.

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35. On arrivial in West Bengal, a group of foreign tourists spotted a rhinoeros in a national park, Identify the national park.

36. Write two difference between hormone and nervous system based on their following activity-Process, Outcome.



37. Enlist the names and functions of the following bones and bone joints: Humerous, Ulna and Radius, Scapula, Humerous.

38. The part of human brain associated with

controlling body temperature is-

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39. Enlist which parts of the brain control the

following function

Combination of function of voluntary muscle

40. Enlist which parts of the brain control the

following function

Regulation of muscle contraction in urinary

bladder

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41. Enlist which parts of the brain control the

following function

Controllibng of Salivation

42. Seeing the bright light in iron welding factory and entering the dark theater after starting the cienema, how parts of your eyes change— explain.

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43. List what changes in the nucleus during

the extended phase of mitosis

44. name the asexual reproduction process of

a know flat worm and a fungus.

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45. Prepare a list of the physical disadvantages that arise in the last phase of human development.

46. Explain how Mendel perform cross pollination in pea plant in his genetical experiment.



47. Which chromosome is more relevant in sex

determination in human?

48. Calculate the genotypes of the following phenotypes of F_2 generation in Mendel''s dihybrid cross-Hybrid yelow and crinkly, Pure gree and crinkly, Pure yellow and round, Hybrid green and round.

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49. Write down the main events of evolution

using flow chart

50. What do you mean by inheritance of acquired characters.

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51. Feeling the presence of a fisherman, floatig fish entered the depths of the water-Explain the role of the organ responsible for such adaptation to fish.

52. Name the animal related with follooiwng

in-situ conservation- Singalila national forest.

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53. Name the animal related with follooiwng in-situ conservation- Sundarban biosphere

reserve

54. Name the animal related with follooiwng

in-situ conservation- Lothian island

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55. Name the animal related with follooiwng

in-situ conservation- Kaziranga national forest.

56. Disruption of the nitrogen cycle leads to acidification of under ground water, soil and waterbody-Judge the accuracy of the statement.

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57. Establish relation between environmental

pollution with disease transmission.

58. Write the characters of biodiversity hot-

spot.



59. Draw a neat diagram of the cross section of eyeball of human eye and label the following parts—

Lens, Iris , blind spot, Cornea.

60. Draw a neat diagram of human eukaryotic chromosome and lebel of the following parts-Chromatid, Centromere, Telomere, Nucleoler organizer.



61. Discuss fertilization process and female gamet production in the sexual reproduction of flowering plant. Show with a chart - alternation of generation in fern.



62. Judge how meiosis maintains existence of species.



63. Write down the law derived from Mendel's dihybrid cross. Explain with an example how the hereditary transmission of haemophila occurs.

64. Explain incomplete dominance in Mirabilis

Jalapa.

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65. Standing beside a pond ecosystem for a long time and observe it what kinds of life struggle you see?— Write it with example.



66. Example of the vestigeal organs of human.

Discuss two adaptive importance of air sac in pigeon.



67. Discuss the impact of population growth in

the following case- Forest

68. Discuss the impact of population growth in

the following case- Agricultural land

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69. Discuss the impact of population growth in

the following case- Sweet water

70. Discuss the impact of population growth in

the following case- Wetland

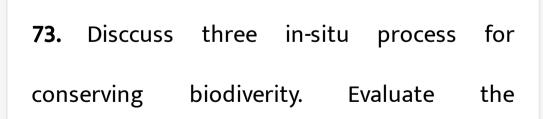
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71. Discuss the impact of population growth in

the following case- Fossil fuel.

72. Evaluate the role of biodiversity in paper production and textile industry. One of the environmetal problems of the Sundarbans is the lack of fresh water-Analyze with example how it endangered biodiversity.





importance of botanical garden in conserving

biodiversity.



74. Judge what in-situ conservation processes should take to balance the numbers and normal development of one horned rhino in its own environment.