



BIOLOGY

BOOKS - UNITED BOOK HOUSE

DUM DUM SREE VIDYAMNANDIR PAPER



1. Name some hormones

A. To increase of lactation of a diary cow B. To stimulate the thyroid gland for horomone secreation C. To secreate sperm and egg cell from a fish by injecting it D. To increase the entering glucose in cell by increasing the penetrating power of cell membran

Answer:

2. Which pair is incorrect-

A. Frontal lobe- Speech and personality

B. Occipital lobe-Eyesight

C. Pariental lobe-Hearing power

D. Temporal lobe-Hearing power

Answer:

3. Which statement is correct about nastic movement-A. Controlled by the way of stimulation B. Controlled by auxin hormone C. It is seen in plant root D. Controlled by the intenstiy of stimulation

Answer:

4. Identify the correct statement about autosome-

A. It carries the genetic characteristics

B. No. of it is 22 in reproductive cell

C. NO. of it is 46 in body cell

D. No. of its is 44 in reproductive cell

Answer:

5. Identify the role of centrosome during cell divisionA. Formation of offspring chromosomes from maternal chromosomes

B. Protein synthesis

C. Energy production

D. Spindle formation and pole

determination

Answer:

6. Identify the artifical vegetaive propagation-

A. bud formation of yeast

B. budding in hydra

C. new plant formation in bryophyllum fear

D. reproduction by cutting

Answer:

7. Which pair is correct-

A. Anemophily

flower-Colocasia,

amorphophallus

B. Ornithophily-bombax, palash

C. Entomophily flower-rice, wheat

D. Hydrophily flower-Kadam, Kanchan

Answer:

8. How many types of gametes will be produced from AaBbCc genotype

A. 4 types

B. 8 types

C. 2 types

D.1 types

Answer:

9. Which statement is incorrect about thalassemia-

A. Iron is stored in the body as a result of

repeated blood transformation .

B. Excessive growth of bone marropw

distorts bone formation

C. Blood coagulation is disrupted

D. Haemoglobin production disrupted

resulting acute anemia.

Answer:



10. Which is characteristics of divergent evolution -

A. Originally identical but work is different

B. Originally different but work is same

C. Indicates apocalyptic evolution

D. Originally and structurally identical

Answer:



11. Coacervates was the first cell'-it is the

theory of-

A. Oparin

B. Fox

C. Darwin

D. Lamarck

Answer:

12. Which is not related to the theory of Darwin-

- A. Survival of the fittest
- B. Inheitance of acquired character
- C. Struggle for existance
- D. Natural selection

Answer:

13. Identify the bacteria participating

denitrification-

A. Rhizobium

B. Clostridium

C. Nitrosomonas

D. Pseudosomonas

Answer:

14. which pair is correct-

A. DDT, Aldrin-Biomagnificate

- B. Sound pollution-Typhoid
- C. Air pollution-Jaundice
- D. Water pollution-Bronchitis

Answer:



15. Which is not a characteristics of a sactuary-

A. Its boundary is not fixed

B. It is mainly reserved for wildlife

C. Constituted in central Govt. law

D. Tourists can travel here

Answer:

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16. Due to the presence of _____ hormone the

ageing of leaves are delayed.



17. If there are two sets of chromose in the cell

then it is called____.

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18. From the monohybrid cross of Mendel we

can get _____ law.

| 19. Phyllode of Acacia and Phylloclad are the |
|---|
| example of |
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| |
| 20. Red panda are found in national park of West Bengal. |
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| |

21. Due to the fertilization of organic and inorganic fertilizers, air pollutant gas_____ is reduced which is also a greenhouse gas.



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

Using convex lens , hypermetropia can be

eliminated.



23. What are biodiverisity hotspots? Give examples of hotspots in India.

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

X chromosome may be present or absent in

human sperm.

25. Name some endangered animals.



26. Decide whether the following statements

are true or false:

Nitrobactor is a nitrogen stabilizing bacteria.



27. Decide whether the following statements

are true or false:

Reabsorption of water in renal tubule is

disrupted in diabetes mallitus.

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28. Match the words in column A with those which are most appropriate in column B and re-write the correct pairing mentioning the

serial no. of both column:

| Column A | "Column B | | |
|---|-----------|---|--|
| 2.13 Fear, Anger, Emotion2.14 Final stage of human development | | (a) SPM (b) Thalassemia | |
| 2.15 Autosomal diseases 2.16 External gill slit | • | (c) Comparative embryology (d) Grațting | |
| 2.17 Dust and smoke2.18 Stock and scion | | (e) Aging (f) Adrenaline (g) Cerebellum | |



29. Which is different : FSH,LH,ICSH, ADH.



30. Which bone junction is formed between

the joint of tip and scapula of humerous?

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31. Given below a pair of related terms. Write suitable word in the gap of second pair following the relationship in the first pair.
Asexual reproduction: spore: :: Sexual reproduction: ____.



32. What will be the genotype of hybrid tall pea plant?



33. If father is normal but mother is a carrier of colour blindness then which offsprings will be colour blind?

34. What is natural selection?



35. One of the following four is different. Find the relation between the other three and write it:

SPM, Air pollution, Green house gas, Lung cancer

36. Write a name of a bacterial disease caused

by water pollution.

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37. Write down the difference between

hormone and nervous system on this topic

Process

38. Write down the difference between hormone and nervous system on this topic Consequence.



39. Names of anterior pituitary hormones



40. Secretion of saliva seeing delicious food'-What kind of reflex action is it? Write you opinion about it.



41. Write the causes of each disease-

Dwarfism



42. Write the causes of each disease-

Diabetes insipidus

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43. Write the causes of each disease-

Goitre

44. Write the causes of each disease-

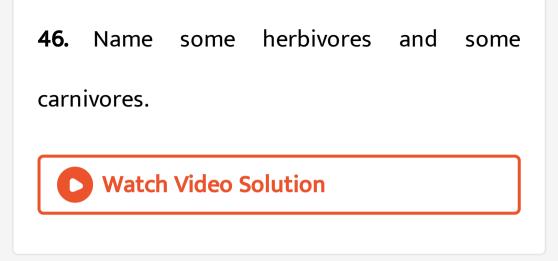
Diabetes mellitus.

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heterochromatic and euchromatin.





47. Write the difference between plant cell and

animal cell on cytokinsis.

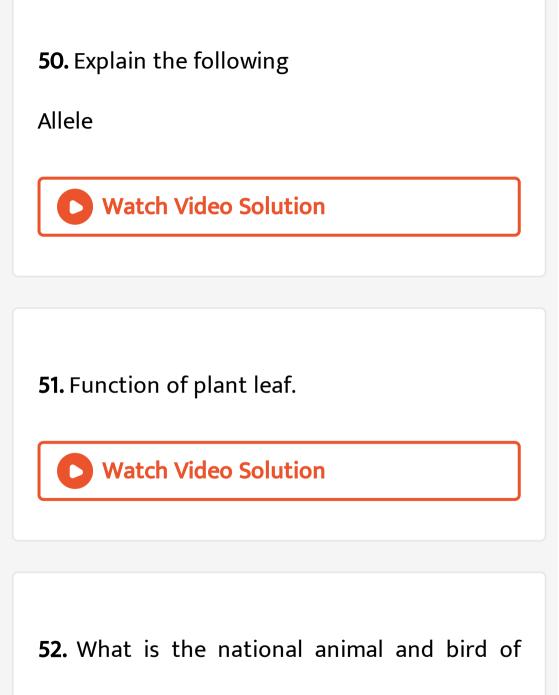


48. What is incomplete dominance? What is its

phenotypic ratio?

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49. Write down the probability of a male child to be haemophilic when his father is haemophilic but mother is normal.



India



53. "For the charge of food source and position of sun, the dance posture of bee can be noticed"-prove the statement.

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54. Explain the role of leaf and root of Sundari

tree in saline salt.

55. "The level of N_2 is increased in soil in time of lightning in the sky during thunderstorms."explain how it is possible.



56. Write down the role of biodiversity for the

following-

Production of food

57. Write down the role of biodiversity for the

following-

Preparation of medicine.



58. Name some extinct animals



59. What is PBR in biodiversity.



60. Draw a neat diagram of the cross section of human eyeball and lebel of the following parts-

Cornea, Retina, Lens, Ciliary body.

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61. Draw a neat diagram of human eukaryotic

chromosome and lebel of the following parts-

Chromatid, Centromere, Telomere, Nucleoler

organizer.



62. "Cell division is essential for the repair of body parts". -Explain the statemetn with three appropriate example. Write the advantages and disadvantages of the spore of flower if it is transferred to its stigma.



63. Write down changes during puberty for

human in male and female body.



64. Explain the reason for success of Mendel's hybrid cross. Write the differences between pehotype and genotype.

65. Show the cross of the hybrid tall pea tree

and a pure short pea tree using checker board.

Write the law of segregation by Mendel.



66. Function of plant root system



67. Explain the following of Darwin's theory of evolution.

Overproduction

Wrie down the difference between

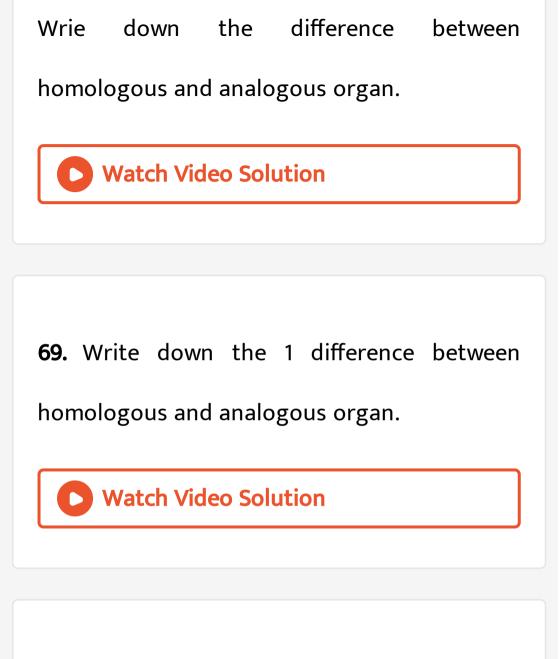
homologous and analogous organ.

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68. Explain the following of Darwin's theory of

evolution.

Development of variation



70. Write down the difference between homologous and analogous organ.



71. Explain the following:

The water of a pond has become green and smelly and the big fish died and floated over the water.

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72. Explain the following:

The brightness of a temple in your locality has

gone which is made of marble stone.

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73. What are the shoot and root system in

plants?

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74. Write down the effects of sound pollution

on human health.



75. Explain the role of JFM for conservation of biodiversity. Write down two causes of the decrease of crocodile in India and where it is conseved?



76. Explain for why westernghat and eastern himalaya are known as hotspots. Explain the

benefits of cryoconservation for the following.

Increase in number of extinct plants.



77. Explain for why westernghat and eastern himalaya are known as hotspots. Explain the benefits of cryoconservation for the following. Increase in number of endangered animals.