



BIOLOGY

BOOKS - UNITED BOOK HOUSE

BEGUNKODAR HIGH SCHOOL PAPER

Exercise

1. Which property of plant revealed by Acharya Jagadish Chandra Bose's test?-

A. Fertility

B. Sensitivity

C. Variability

D. Productivity

Answer:



Watch Video Solution

2. Read the sentences below and identify the sentence that is not correct-

A. Sneezing and coughing are innate reflex action

B. Sneezing and coughing are conditional reflex action

C. Sneezing and coughing are condition neutral reflex action

D. No previous experience is required for sneezing and coughing

Answer:



Watch Video Solution

3. Decide which of the following is not correct?

A. Sclera helps in the formation of eye ball

B. Retina form the mirror image

C. Cornea helps pupil to grow smaller and
bigger

D. The lens focuses the light ray on the
retina by accomodation

Answer:



Watch Video Solution

4. Which of the following is correct about the structure of nucleotide?

- A. N_2 base+phosphate
- B. N_2 base+carbohydrate
- C. Carbohydrate + N_2 base + Phosphate
- D. Carbohydrate + hydrogen

Answer:



Watch Video Solution

5. Find out the pairs of autosome in gametes of human-

A. 23

B. 22

C. 46

D. 48

Answer:



Watch Video Solution

6. Identify the plant where you find evident alternation of generation-

A. Fern

B. Mango

C. Chinarose

D. Pine

Answer:



Watch Video Solution

7. Find out how many gamets can be generated for YyRr pea plant-

A. 1

B. 2

C. 3

D. 4

Answer:



Watch Video Solution

8. Select an autosomal recessive genetical hereditary disease-

A. Haemophilia

B. Thalassemia

C. Colour blindness

D. Night blindness.

Answer:



Watch Video Solution

9. Describe which chromosome-linked hereditary disease is colour blindness?

- A. Y chromosome
- B. X and Y chromosome
- C. X-chromosome
- D. Autosome

Answer:



Watch Video Solution

10. The chemical theory of the origin of life was published by-

- A. Miller and Fox
- B. Operin & Halden
- C. Miller and Watson
- D. Watson and Crick

Answer:



Watch Video Solution

11. Scientific name of modern horse-

A. Mesohippus

B. Equus

C. Merychippus

D. Eohippus

Answer:



Watch Video Solution

12. What is the nature of phyloclad?

- A. Changed leaf
- B. Transformed stem
- C. Leaf or stem
- D. Transformed roots

Answer:



Watch Video Solution

13. In which step of nitrogen cycle pseudomonas microbe is connected?

A. Nitrogen fixation

B. Nitrification

C. Denitrification

D. Ammonification

Answer:



Watch Video Solution

14. Identify the pollutant which cause Ozone hole-

A. CO

B. CFC

C. Benjopyrine

D. Methane

Answer:



Watch Video Solution

15. Select the region with the most biodiversity in India-

- A. Western ghat
- B. Indo-gangetic plain
- C. Eastern ghat
- D. Aravalli Hills

Answer:



Watch Video Solution

16. _____ present in the cavity situated in between cornea and lens.



[Watch Video Solution](#)

17. Neuron cannot divide due to absence of _____ in neuron.



[Watch Video Solution](#)

18. Location point of gene within chromosome is called _____.



[Watch Video Solution](#)

19. In the forechamber of swim bladder of rohu fish a gas producing ____ present.



[Watch Video Solution](#)

20. The gas which is responsible for acid rain is called_____.



[Watch Video Solution](#)

21. An endangered animal of Sundaland hotspot is_____.



Watch Video Solution

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

Gibberelin control the tropic movement in plant.



Watch Video Solution

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

Go stage is called the sleeping stage.



Watch Video Solution

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

Yellow colour of seed coat is dominant over green colour is case of pea plant.



Watch Video Solution

25. Bacteria continue to live under conditions which resemble the conditions that prevailed on primitive earth, are



Watch Video Solution

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

Increasing volume of DDT from predator to predator is called eutrofication.



Watch Video Solution

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

Synthetic hormone kills dicotyledonous herbs in the dicotyledonous agricultural field.



Watch Video Solution

28. Write the odd one: Cell body, Chromosome, Axon, Dendron.



Watch Video Solution

29. What is the name of the part other than coroid and ciliary body in the mid layer of eyeball.



Watch Video Solution

30. Given below a pair of related terms. Write suitable word in the gap of second pair following the relationship in the first pair.

Anaphase: Polar movement of chromatid::

_____ Adjustment of chromosome along the equatorial region.



[Watch Video Solution](#)

31. Which chromosome gene are related with rolling tongue?



[Watch Video Solution](#)

32. Which chromosome is more relevant in sex determination in human?



[Watch Video Solution](#)

33. What is the main hypothesis of Darwin?



[Watch Video Solution](#)

34. Among the following four terms three include the other one. Find out that term and write it.

Agricultural waste, microbes, waterpollution, eutrophication.





[Watch Video Solution](#)

35. The sudden take off and landing level of jet planes in your nearest airport become increased. What will be the adverse effect these can happen in your body?



[Watch Video Solution](#)

36. Give two examples how reflex action helps a doctor in his daily life?



[Watch Video Solution](#)

37. Analyze how myotome muscle helps in the locomotion of fish?



Watch Video Solution

38. Hormone involved in the formation of winter buds is

A. GA

B. CK

C. ABA

D. Ethylene

Answer:



Watch Video Solution

39. Why meiosis cell division is called reduction division?



Watch Video Solution

40. Explain two vegetative reproduction process in plant.



Watch Video Solution

41. Enlist the carrier that helps the given plant to pollinate-

Paddy



Watch Video Solution

42. Enlist the carrier that helps the given plant to pollinate-

Hydrilla



Watch Video Solution

43. Enlist the carrier that helps the given plant to pollinate-

Shimul



Watch Video Solution

44. Enlist the carrier that helps the given plant to pollinate-
Mango.



Watch Video Solution

45. What is the relation between phenotype and genotype?



Watch Video Solution

46. Give two examples of autosomal diseases.



Watch Video Solution

47. Write the symptoms of thalassemia.



Watch Video Solution

48. Explain how the structural changes of fish heart to mammalia heart support evolution?



Watch Video Solution

49. Evaluate what Darwin explains 'fittest' in survival of the fittest?



Watch Video Solution

50. Write why two vestigial organ in inactive in human?



Watch Video Solution

51. Analyze the evolutionary significance of the salt gland in Sundari plant.



Watch Video Solution

52. Name two free living bacteria that take part in organic nitrogen fixation.



Watch Video Solution

53. Make a list of the elements present in air which act as SPM.



Watch Video Solution

54. Are fresh fish taken from pond free from the effects of pollution?



Watch Video Solution

55. Evaluate and write the role you can play in conserving local biodiversity.



Watch Video Solution

56. Draw a neat diagram of the cross section of human eyeball and label the followings
Lens, Vitreous humor, Aqueous humor, Retina.



Watch Video Solution

57. Draw a neat diagram of a plant cell or animal cell metaphase stage of mitosis and label the following parts:

Chromosome , Spindle fibre, Polar region, Centromere.



Watch Video Solution

58. Differentiate mitosis and Meiosis based on the following points:

Place the division

Write the importance of S-phase in cell cycle.



[Watch Video Solution](#)

59. Differentiate mitosis and Meiosis based on the following points:

Number of chromosomes of daughter cell

Write the importance of S-phase in cell cycle.



[Watch Video Solution](#)

60. Differentiate mitosis and Meiosis based on the following points:

The number of generating cells.

Write the importance of S-phase in cell cycle.



Watch Video Solution

61. Write two significances of sexual and asexual reproduction. Name three methods of asexual reproduction with examples.



Watch Video Solution

62. Explain with a checker board, the phenotypical and genotypical ratio of F_2 generation of the Mendel's hybrid cross with pea plant.



Watch Video Solution

63. Which organs in human body damage due to thalasemia that can cause death? Write down the imporatance of geneti counselling in the prevation of hereditary diseases.



[Watch Video Solution](#)

64. Illustrate convergent evolution with example. Write importance of fossil.



[Watch Video Solution](#)

65. What is the relation between the camel's ability to withstand extreme water loss with the structural change of their RBC. Write the

relation of behavioural adaptation of chimpanzee with their struggle in life.



[Watch Video Solution](#)

66. Identify one of the reasons of air pollution in the vicinity of the thermal power station and on populated national roads. Relate air pollution with global warming and acid rain.



[Watch Video Solution](#)

67. 'Many of uncontrolled actions of human beings to pollute environment'-Give three examples to support this statement. Give example of a national park and biosphere reserve in West Bengal.



Watch Video Solution

68. Write down the importance of biodiversity in maintaining ecosystem balance and climate

control. Discuss the basics of In-situ and Ex-situ conservation.



Watch Video Solution

69. Write name and location of two In- situ tiger reserves in India.



Watch Video Solution