



BIOLOGY

BOOKS - UNITED BOOK HOUSE

RANIGANJ CORONATION SCHOOL
PAPER

Exercise

1. Which of the following statement is not correct regarding botanical garden-

A. Here plants are conserved in natural environment

B. Endangered plant species is conserved by germplasm storage and conservation

C. Only Indigenous plants are conserved

D. Extinctionable plant species are conserved through tissue culture

Answer:



Watch Video Solution

2. Decide which of the following statement regarding in-situ conservation is not correct?

A. Stop poaching by law

B. Preservation at own habitat

C. Storing sperm, ovum or zygote through cryopreservation

D. Prohibition of cultivation and grazing

Answer:



Watch Video Solution

3. ACTH is secreted from-



[Watch Video Solution](#)

4. Distance between two strands of a DNA is _____.



[Watch Video Solution](#)

5. In heterozygous organism _____ character is suppressed.



[Watch Video Solution](#)

6. According to Darwinism ____ Which is helpful for struggle for life is survival of the fittest.



[Watch Video Solution](#)

7. A green house gas produce from airconditioner is_____.



[Watch Video Solution](#)

8. ____ is related with algal bloom.



[Watch Video Solution](#)

9. Cerebrum is called the thermostat of body.



[Watch Video Solution](#)

10. Chromosomes move to the pole of spindle fibre in metaphase.



[Watch Video Solution](#)

11. In case of thalassemia deformation of bones takes place.



Watch Video Solution

12. Mutation is the main source of evolution.



Watch Video Solution

13. True or False: Orang-outang is an endangered species in eastern-himalayan hot-spot.



Watch Video Solution

14. Choose the odd one and write it: Diabetes incipidus, Dwarfism, Thalassemia, Diabetes melitus.



Watch Video Solution

15. What is the relation between stimulus and tactic movement.



Watch Video Solution

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

Adenin: Purine:: _____ : Pyrimidine.,



Watch Video Solution

17. Give example of the different types of a same gene.



Watch Video Solution

18. Give example of a mutation of human population.



Watch Video Solution

19. What is the index of the gradual increase in the complexity of the heart structure of

vertebrates?



[Watch Video Solution](#)

20. Among the following four terms three include the other one. Find out the terms and write it. FPC,EDC,JFM, VFG.



[Watch Video Solution](#)

21. Name a medium of in-situ conservation process other than national forest and

sanctuary.



Watch Video Solution

22. Determine what effect auxin has on the cell wall as the cell size increases.



Watch Video Solution

23. Show an example of the way of feedback control.



Watch Video Solution

24. Write differences in between Diabetes melitus and diabetes incipidus-with following characters-cause, Types of urine.



Watch Video Solution

25. Briefly state the event that proceeds a stimulus in organisms.



Watch Video Solution

26. Significance of mitosis-Cell replacement and compensation of cell-Give four examples of these things from the nature based on your experience.



Watch Video Solution

27. Relate Mitosis and meiosis with asexual and sexual reproduction.



Watch Video Solution

28. What are the steps of micropropagation.



Watch Video Solution

29. Make the genetic layout of the four types of hybrids you know.



Watch Video Solution

30. Identify where the ratio of phenotype and genotype is 1, if in Mendel's dihybrid

cross(Yellow Round x Green Curly) is done upto F_2 generation.



[Watch Video Solution](#)

31. Discuss the cause and symptom of thalassemia.



[Watch Video Solution](#)

32. Write the interspecific and interaspecific struggle you find in lion



[Watch Video Solution](#)

33. Describe some features that bear testimony to comparative embryology.



[Watch Video Solution](#)

34. State the adaptation of camels with the shape of its RBC.



[Watch Video Solution](#)

35. Analyze the role of nitrous oxide as green house gas.



Watch Video Solution

36. Establish a relationship of water quality degradation with growing population problems.



Watch Video Solution

37. Evolution of different species in a given area starting from a point and spreading to other geographical areas is known as



Watch Video Solution

38. List up the biodiversities which may extinct with the natural calamities that effect and damage the salt water habitat in Sundarban



Watch Video Solution

39. Draw a neat diagram of the cross section of human eyeball and label the following parts:

Lens, Cornea, Yellow spot, Vitreous humor.



Watch Video Solution

40. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Transfer the pollen to the stigma



Watch Video Solution

41. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Forward movement of pollen tube with male pronucleus through style



Watch Video Solution

42. Draw a neat diagram of sexual reproduction of flowering plant and label the

following parts:

Zygote formation



[Watch Video Solution](#)

43. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Cropnucleus or $3n$ nucleus formation.



[Watch Video Solution](#)

44. Enlist three alternate characters of metaphase and telophase. Name two body parts in plant where mitosis cell division takes place.



Watch Video Solution

45. Differentiate sexual and asexual reproduction based on following points-
Nature of cell division.



Watch Video Solution

46. Distinguish between asexual and sexual reproduction on the basis of following features:

Nature of offspring



Watch Video Solution

47. Distinguish between asexual and sexual reproduction on the basis of following features:

Number of Parents



[Watch Video Solution](#)

48. Show with a cross Genealogy of haemophilia. Differe between dominant and recessive characters.



[Watch Video Solution](#)

49. Write three steps of Mendel's test on a pea plant. Explain why incomplete dominance happen.



[Watch Video Solution](#)

50. . If proper mutation does not happen mammals could be extinct in extreme hostile environment-Explain two such mutations or variations.



[Watch Video Solution](#)

51. Prodigality of production intensifies the struggle at an immense rate'-Please express you opinion about the statement.



Watch Video Solution

52. Discuss conservation efforts for an endangered mammal that lives in the grasslands along the river. Identify which steps in the nitrogen cycle is associated with pollution?



Watch Video Solution

53. Explain how biosphere reserve can make conservation efforts successful.



Watch Video Solution

54. If JFM is successful then estimates what might change in the lifestyle of local indigenous peopleS?



Watch Video Solution

55. Express your opinion as an environmentalist which things you could include in PBR. 'Asthma occurs due to human activity'-Judge the logic of the statement.



Watch Video Solution

56. Which of the following statement is not correct -

A. Herbarium houses dried, pressed and preserved plant specimens .

B. Botanical gardens have collection of living plants for reference.

C. A museum has collection of photographs of plants and animals

D. Key is taxonomic aid for identification of specimens

Answer:



Watch Video Solution

57. Decide which one of the following statements regarding in-situ conservation is not correct?

A. Stop poaching by law

B. Supply of proper habitat, food and water

C. Storing sperm, ovum or zygote through cryopreservation

D. Prohibition of cultivation and pasture

Answer:





[Watch Video Solution](#)

58. ACTH secrets from _____gland.



[Watch Video Solution](#)

59. Distance between two stands of a DNA
is _____.



[Watch Video Solution](#)

60. In heterozygous organism _____ character is suppressed.



Watch Video Solution

61. According to Darwinism ____ Which is helpful for struggle for life is survival of the fittest.



Watch Video Solution

62. A green house gas produce from airconditionar is_____.



[Watch Video Solution](#)

63. What kind of ecosystem is a kelp forest?



[Watch Video Solution](#)

64. Cerebrum is called the thermostat of body.



[Watch Video Solution](#)

65. Chromosomes move to the pole of spindle fibre in metaphase.



Watch Video Solution

66. In case of thalassemia deformation of bones takes place.



Watch Video Solution

67. When does a point mutation lead to a missense mutation?



Watch Video Solution

68. Name an endangered species in Western ghats hot-spot.



Watch Video Solution

69. 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 Progesterone	(a) Convergent evolution
2.14 Hetero chromatin	(b) Arthritis, Osteoporosis
2.15 Dihybrid cross	(c) Divergent evolution
2.16 Analogous organ	(d) Inplantation

Column A	Column B
2.17 Biosphere reserve	(e) With small amount of genes and highly coiled
2.18 Senescence	(f) Forest suitable for versatile use
	(g) YYRR × yyrr



Watch Video Solution

70. Choose the odd one and write it: Diabetes incipidus, Dwarfism, Thalassemia, Diabetes melitus.



Watch Video Solution

71. What is the relation between stimulus and tactic movement.



Watch Video Solution

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

Adenin: Purine:: ____ : Pyrimidine.,



[Watch Video Solution](#)

73. Give example of the different types of a same gene.



[Watch Video Solution](#)

74. Give example of a mutation of human population.



[Watch Video Solution](#)

75. What is the index of the gradual increase in the complexity of the heart structure of vertebrates?



[Watch Video Solution](#)

76. Among the following four terms three include the other one. Find out the terms and write it. FPC,EDC,JFM, VFG.



Watch Video Solution

77. Name an example of a national forest and sanctuary.



Watch Video Solution

78. Determine what effect auxin has on the cell wall as the cell size increases.



Watch Video Solution

79. Show an example of the way to control feedback.



Watch Video Solution

80. Write differences in between Diabetes mellitus and diabetes insipidus-with following characters- cause, types of urine.



Watch Video Solution

81. Write the features of reflex action



Watch Video Solution

82. Significance of mitosis-Cell replacement and compensation of cell-Give four examples of these things from the nature based on your experience.



Watch Video Solution

83. Explain Mitosis and meiosis in respect to asexual and sexual reproduction.



Watch Video Solution

84. Discuss the steps of micropropegation.



Watch Video Solution

85. Identify where the ratio of phenotype and genotype is 1, if in Mendel's dihybrid cross (Yellow Round x Green Curly) is done upto F_2 generation.



Watch Video Solution

86. Discuss the cause and symptoms of thalassemia.



Watch Video Solution

87. Write the interspecific and intraspecific struggle



Watch Video Solution

88. Describe some features of comparative embryology.



Watch Video Solution

89. Relate the physiological adaptation of camels with the shape of its RBC.



Watch Video Solution

90. Analyze the role of nitrous oxide as green house gas.



Watch Video Solution

91. Establish a relationship of water quality degradation with growing population problems.



Watch Video Solution

92. In terms of food crisis in a geographical area how a possible but unused biodiversity can resolve the crisis-tell us know what you think.



Watch Video Solution

93. List up the biodiversities which may extinct with the natural calamities that effect and damage the salt water habitat in Sundarban



Watch Video Solution

94. Draw a neat diagram of the cross section of human eyeball and label the following parts:

Lens, Cornea, Yellow spot, Vitriuous humor.



Watch Video Solution

95. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Transfer the pollen to the stigma



[Watch Video Solution](#)

96. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Forward movement of pollen tube with male pronucleus through style



[Watch Video Solution](#)

97. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Zygote formation



Watch Video Solution

98. Draw a neat diagram of sexual reproduction of flowering plant and label the following parts:

Cropnucleus or $3n$ nucleus formation.





[Watch Video Solution](#)

99. Enlist three alternate characters of metaphase and telophase. Name four body parts in plant where mitosis cell division takes place.



[Watch Video Solution](#)

100. Differentiate sexual and asexual reproduction based on following point -
Nature of cell division.



[Watch Video Solution](#)

101. Differentiate between sexual and asexual reproduction based on following point -
Nature of offspring generation



[Watch Video Solution](#)

102. Differentiate sexual and asexual reproduction based on following point-
Number of parental organism.





[Watch Video Solution](#)

103. Show with a cross Genealogy of haemophilia. Differentiate between dominant and recessive characters.



[Watch Video Solution](#)

104. Write three steps of Mendel's test on a pea plant. Explain why incomplete dominance happen.



[Watch Video Solution](#)

105. Behaviour is essential for evolution-Prove the accuracy of the statement. If proper mutation does not happen, mammals could be extinct in extreme hostile environment-Explain two such mutations or variations.



Watch Video Solution

106. Prodigality of production intensifies the struggle at an immense rate'-Please express

your opinion about the statement. Write down with a chart the nitrogen-containing compounds that produce in Miller and Urey's experiment.



Watch Video Solution

107. Discuss conservation efforts for an endangered mammal that lives in the grasslands along the river. Identify which step in the nitrogen cycle is associated with population?



[Watch Video Solution](#)

108. Changes in land use policy have endangered reptiles and amphibians. Identify those species with the help by interviewing and environment list. Explain how biosphere reserve can make conservation efforts successful.



[Watch Video Solution](#)

109. Explain how air pollution is related to fast living. If JFM is successful then estimate what might change in the lifestyle of local indigenous people?



Watch Video Solution

110. Express your opinion as an environmentalist which things you could include in PBR. 'Asthma occurs due to human activity'-Judge the logic of the statement.





[Watch Video Solution](#)