



BIOLOGY

BOOKS - UNITED BOOK HOUSE

KOTALPUR SCHOOL PAPER

Exercise

1. Select which hormone is not gonadotrophic hormone?

A. FSH

B. LH

C. ACTH

D. ICBS

Answer:



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2. Identify the disease if an aged man whose age is upper 40 see the nearer thing fuzzy-

A. Myopia

B. Hypermetropia

C. Presbiopia

D. Cataract

Answer:



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3. Which of the following pair is correct?

A. Forebrain-Cerebrum,thalamus

hypothalamus

B. Forebrain-Cerebrum, cerebelum

C. Forebrain-Cerebrum,thalamus, pons

D. Forebrain-Cerebrum, Pon, hypothalamus

Answer:



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4. Identify the cell in flowering plant that divide through meiosis-

- A. Cell of apical bud
- B. Reproductive mother cell
- C. Root cell
- D. Developed leaf cell

Answer:



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5. Identify the plant that reproduce through transformed air stem-

A. Phylloclade

B. Rhizome

C. Tuber of potato

D. Bulb of onion

Answer:



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6. Identify the acid that present in nucleic acid-

A. 1.Phosphoglyceric acid

B. 2.HCl

C. 3.Phosphoric acid

D. 4. H_2SO_4

Answer:



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7. Identify the test cross-

A. $\text{TT} \times \text{TT}$

B. $\text{T} \times \text{T}$

C. $\text{Tt} \times \text{tt}$

D. $\text{t} \times \text{t}$

Answer:



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8. Position of gene on chromosome is called

A. Locas

B. Allele

C. Phenotype

D. Genotype

Answer:



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9. Determine when a daughter may become colour blind?

A. Normal

B. Father colourblind and mother normal

C. Father and mother normal

D. Father colourblind but mother carrier

Answer:



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10. Name of an animal whose heart only carry de-oxygenated blood-

A. Toad

B. Fish

C. Snake

D. Crocodile

Answer:



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11. Which is not related with natural selection?

A. Prodigality of production

B. Struggle for existence

C. Assembly of variation in species
population

D. Use and disuse of organ

Answer:



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12. Which is not correct about camel's ability to withstand extreme water loss-

A. Structure of camel's RBC is oval shaped and nucleated which can withstand and difusion pressure

B. Excessive sweat generation due to presence of excessive sweat gland

C. Demand for water decrease due to oxidation of fat in camel's hump

D. Camel can regulate body temperature and for this sweat secretion is regulated.

Answer:



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13. Identify the nitrogen fixing blue green algae-

A. 1.Volvox

B. 2.Anabena

C. 3.Spyrogyra

D. 4.Chlamydomonas

Answer:



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14. Select which of the following is not the result of acid rain?

A. The acidic soil disrupt the normal growth of plant

B. If the reservoir water become acidic, the fish eggs are wasted and flora and fauna are in danger

C. The brightness of the marble architecture increased

D. The brightness of the marble architecture decreased

Answer:



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15. Which of the following is not highly endangered animal?

A. Tiger

B. Gharial

C. One horn Rhino

D. Orang otung

Answer:



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16. _____ of eyeball absorb scattered light.



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17. _____ number of H_2 bond present within guanine and cytosine.



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18. If in one of X chromosome a mutant haemophilic gene is present the female become _____.



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19. The difference between two organism is _____.



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20. An inflammable green house gas generates from paddy field is _____.



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21. Buxa tiger-reserve is present in _____ district.



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

Node of Ranvier is formed due to separation of neurilemma in various positions.



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

Telomere connect chromosome to spindle fibre during cell division.



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

In thalassemia human heart, liver and spleen are effected.



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

Primitive environment of earth was oxidised.



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

Nitrogen in soil increased due to rain and lightning.



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

Seed less fruit generates by applying artificial hormone.



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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 Vasopressin	(a) Mutation
2.14 NOR	(b) Darwin
2.15 Changes in gene	(c) Asthma
2.16 Variation	(d) Mango
2.17 Pollen	(e) Neurohypophysis
2.18 Eastern himalayan hotspot region	(f) Pitcher plant
	(g) Secondary groove of pituitary



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



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30. What is the main function of the largest part of forebrain?



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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.

Nucleus: Carry chromosome::____: Protein synthesis.



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32. Name a sex linked disease other than haemophilia.



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33. Write an exception of the first law of Mendel.



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34. Which direction is find from fossils of evolution?



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35. Among the following four terms three includes the other one. Find out the term and write it.

Water hyacinth, exoctic species, Tilapia, Lantana.



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36. Name a mammalian animal that become endangered due to pollution in Ganges.



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37. Which hormone helps to produce seedless fruits?



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38. How your endocrine system deals with the symptoms after eating more sweets at the invitation home.



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39. If the following incidents happen in daily life, there are some reflexes that take place. Write two importances of this reflex.

When a foreign object enters the nose.



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40. If the following incidents happen in daily life, there are some reflex takes place. Write two importances of this reflex.

When a foreign object enters the nose.



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41. Evaluate the role that progesterone plays in the onset of pregnancy.



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42. Number of chromosome in a plant is 22.

What is the chromosome number of the leaf cell, ovule, zygote and Foetal cell?



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43. Describe how cytokinesis in plant cell happens?



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44. Show the phases and subphases of cell cycle through a chart.



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45. If the selected character of the pea plant is round (structure of seed) and yellow (colour of seedcoat) then what is its opposite recessive character?



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46. What do you mean by monohybrid and dyhybrid cross?



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



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48. Give answer either "Yes" or "No":

Analogous organs are evolving due to convergent evolution.



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49. Explain the following-Variation, Struggle of life.



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50. Write the biogenetic law. Who introduced it?



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51. Analyze the role of microbes in nitrogen cycle.



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52. Give two example of erosion of ecosystem as a result of a growing population,



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53. Give your opinion about how green house gad do environmental pollution.



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54. Explain any two problems of mangrove forest in Sundarbans.



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55. Draw a neat diagram of the vertical section of eyeball of human eye and label the following parts:

Retina, Lens, Iris, Vitreous Humour.



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56. Draw a neat diagram of an eukaryotic chromosome and label the following parts:

Chromatid, Secondary constriction,
Centromere, Telomere.



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57. Describe shortly-the three stages of growth. Explain animal cytokinesis.



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



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59. Why number of humans with roller tongue is higher than human with normal tongue? Write with example how dominant character express in hybridization experiment.



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60. If a normal carrier female of hemophilia marry a normal male, then what is the probability of haemophilia among their children? Show with checker board.



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61. What is fossil? Explain the evidence of a horse on behalf of evolution depend on the height of the body, shape of the feet and the number of fingers.



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62. Explain the communications of honey bee through dance.



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63. What is the cause of acid rain? Discuss the harmful effects of acid rain on the environment.



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64. Write down the harmful effects of noise pollution on the inner ear. Explain how biomagnification is bringing curse on human society.



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65. Local biodiversity is reduced when exotic species invade, Use three examples to prove the accuracy of the statement. .



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66. Analyze the role of following project in conserving biodiversity: Project tiger,



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67. Analyze the role of following project in conserving biodiversity: Indian Rhino vision



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68. Analyze the role of following project in conserving biodiversity: Project crocodile,1976



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69. Analyze the role of following project in conserving biodiversity: Asiatic Lion project, 1910



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70. Analyze the role of following project in conserving biodiversity: Project Red Panda, 2008.



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