



## **BIOLOGY**

# **BOOKS - UNITED BOOK HOUSE**

# **KOTALPUR SCHOOL PAPER**



1. Select which hormone is not gonadotrophic

hormone?

A. FSH

#### B. LH

#### C. ACTH

D. ICHS

#### **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. Preshbiopia
- 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:

**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:

5. Identify the plant that reproduce through

transformed air stem-

A. Phylloclade

B. Rhizome

C. Tuber of potato

D. Bulb of onion

Answer:

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:

7. Identify the test cross-

#### A. `TT x TT

#### B. `T x T

C.`Tt xx tt

D. tx t

**Answer:** 



8. Position of gene on chromosome is called

A. Locas

B. Allele

C. Phenotype

D. Genotype

Answer:

**9.** Determine when a daughter may become colour blind?

A. Normal

- B. Father coloublind and mother normal
- C. Father and mother normal
- D. Father colourblind but mother carrier

#### Answer:

10. Name of an animal whose heart only carry

de-oxygenated blood-

A. Toad

B. Fish

C. Snake

D. Crocodile

#### Answer:

11. Which is not related with natural selection?

- A. Prodigality of production
- B. Struggle for existance
- C. Assembly of variation in species

polutiona

D. Use and disuse of organ

#### **Answer:**

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 seat secration 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:



**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 reservior water become acidic, the					
fish eggs are wasted and flora and founa					
are in danger					
C. The	brightness	of	the	marble	
architecture increased					
D. The	brightness	of	the	marble	
architecture decreased					

#### **Answer:**

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

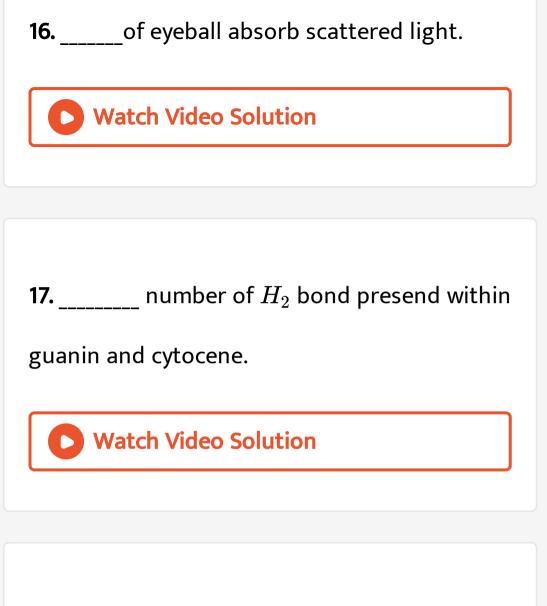
A. Tiger

B. Gharial

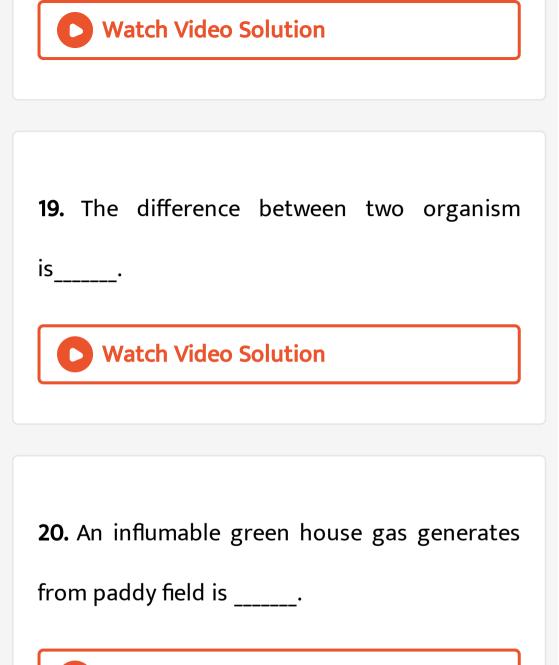
C. One horn Rhino

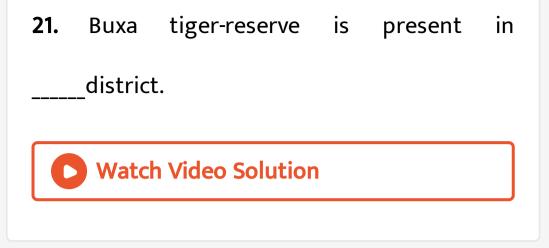
D. Orang otung

#### Answer:



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





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

Node of Ranvier is formed due to separation

of neurilemma in various positions.

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.

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

Primitive environment of earth was oxidised.



26. Decide whether the following statements are true or false:Nitrogen in soil increased due to rain and lightning.





**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:

ColumnA	Column B	•		
2.13 Vesopressin	(a) Mutation	· .		
2.14 NOR	(b) Darwin	·		
2:15 Changes in gene 3	(c) Asthma u			
2.16 Variation	(d) Mango			
2.17 Pollen	(e) Neurohypophysis	I		
2.18 Eastern himalayan hotspot regio				
	(g) Secondary groove	of pituitary		

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#### 29. Choose the odd one and write

#### it:TSH,ACTH,GTH,CSF.

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. **32.** Name a sex linked disease other than haemophilia.



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

34. Which direction is find from fossils of evolution?Watch Video Solution

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

Water hyacinth, exoctic species, Tilapia, Lantana.



**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?

**38.** How your endocrine system deals wih the symptoms after eating more sweet at the invitation home.



**39.** 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.

**42.** Number of chromosome in a plant is 22. What is the chromosome number of the leaf cell, ovule, zygote and Foetal cell?



# **43.** Desribe how cytokinesis in plant cell happens?

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?



46. What do you mean by monohybrid and

dyhybrid cross?



47. Which chromosome is more relevant in sex

determination in human?

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

Analogous organs are evolving due to

convergent evolution.



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

life.



50. Write the biogenetic law. Who introduced

it?



# **51.** Analyze the role of microbes in nitrogen

cycle.



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.

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.

56. Draw a neat diagram of an eukaryoticchromosome 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.

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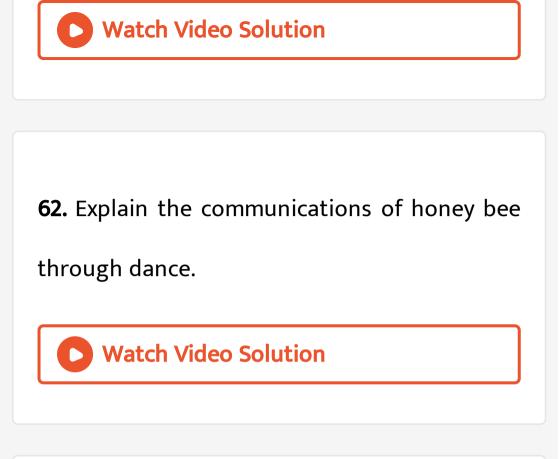
**59.** Why number of humans with roller tongue is higher than human with normal tongue? Write with example how dominant character express in hybridization experiment.



**60.** If a normal carrier female of hemphilia 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.



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

**64.** Write down the harmful effects of noise pollution on the inner ear. Explain how biomagnificaton 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 acucracy of the statement.

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

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

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

