



# **BIOLOGY**

# **BOOKS - UNITED BOOK HOUSE**

# DHALPAL HIGH SCHOOL PAPER



**1.** The leaft tentacles of sundew plant bents and hold when it get contact to a insect(protein). Is is an example of-

- A. Thermonastic movement
- B. Chemonastic movement
- C. Seismonatic movement
- D. Photonastic movement

#### Answer:

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**2.** Read the following statements and find which is incorrect-

A. Dwarfism is caused due to the low

secreation of STH hormone

B. Heartbeat rate is increased due to

adrenaline hormone

C. Diabetes insipidus is caused due to the

low secreation of insulin hormone

D. Gotter is caused due to hyper secreation

of thyroxine hormone

#### Answer:

### 3. The contacting and relaxing part of pupil-

A. Cornea

B. Retina

C. Chorid

D. Eyeris

#### **Answer:**

4. Determine the correct pair-

A. Anemophily-hydrilla

B. Hydrophily-Mango

C. Entomophily-Sunflower

D. Ornithophily-Wheat

Answer:

5. In which stage of mitosis, siter chromatids

become separate in-

A. Prophase

B. Metaphase

C. Anaphase

D. Telophase

Answer:

**6.** In which stage of human development the reproductive organs and gland become fully developed-

A. Childhood

B. Adolescence

C. Infancy

D. Senescence

Answer:

**7.** Which statement is correct about thalassemia-

A. It is sex chromosome linked diseas

B. Increased amount of hemoglobin is

produced in this disease

C. It si an autosomal disease

D. Oxygen carring capacity of blood is

incrased in this disease.

#### Answer:



8. Identify the percentage of hybrid tall pea plant produce in  $F_2$  generation of Mendell's monohybrid cross where a pure tall pea plant is crossed with a pure dwarf pea plant-

A. 0.25

B. 0.5

C. 0.75

D. 1

#### Answer:



**9.** In human which chromosome sequence is applicable to a male-

A. 44AA+YY

B. 44AA+XXY

C. 44AA+XY

D. 44AA+XYY



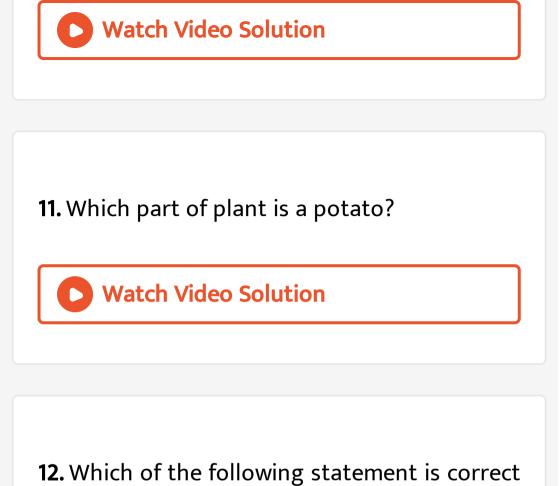


## **10.** Who introduced the coacervate theory-

A. Darwin

- B. Miller and Urey
- C. Oparin
- D. Fox





about RBC of camel-

A. with oval nucleus

B. without oval nucleus

## C. with round nucleus

D. without round nucleus

#### Answer:

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13. The role of Pseudomonas bacterial in

Nitrogen cycle-

A. Nitrification

B. denitrification

C. nitrogen fixation

D. ammonification

#### Answer:

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14. In cryo preservation the sample material is

stored at-

A.  $100\,^\circ\,C$ 

B.  $196^{\,\circ}\,C$ 

C.  $100^{\circ} F$ 

D.  $-196^{\circ}C$ 

#### **Answer:**



15. In which hotspot many species of rafflesia

plant are found in-

A. Eastern himalay

B. Sundaland

C. Indo-Burma

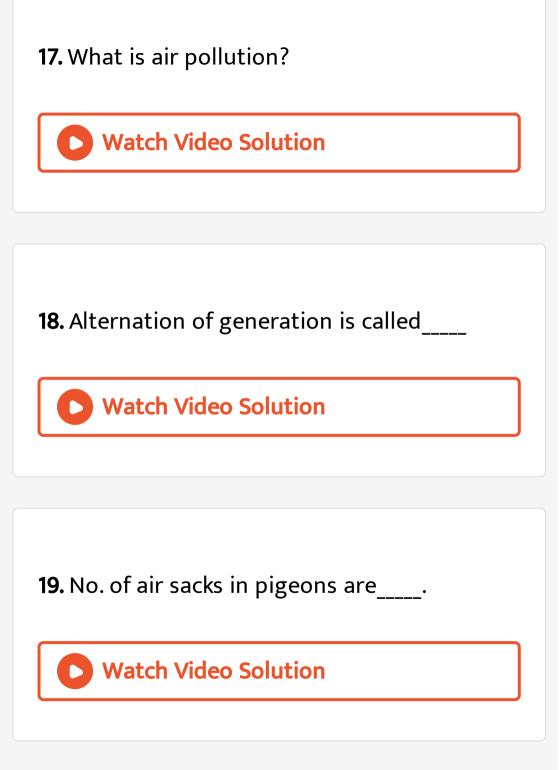
D. Westernghat

### Answer:



# 16. The dominancy of apical bud is seen due to

plant hormone.



**20.** Species and their genetics variations of plant animal and microorganism of a place is called\_\_\_\_\_.



# 21. \_\_\_\_ conservation project is situated at

Lothian island sanctuary of West Bengal.

22. Decide whether the following statements

are true or false:

Cytokinin interrupts the growth of axillary

bud.

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**23.** Decide whether the following statements

are true or false:

As a result of meiosis cell division in plant cell

pollen is formed.



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

To determine the gender of a human body the

role of mother is major.

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25. Decide whether the following statements

are true or false:

Coccyx, is an inactive organ or human being



are true or false:

The main cause of Lung cancer is sound pollution.

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**27.** What is water pollution?

**28.** Which is different: TSH,GTH,ACTH,ADH.



**29.** Which hormone is gained from coconut liquid grain?

**30.** Given below a pair of related terms. Write suitable word in the gap of second pair following the relationship in the first pair. Cell plate: Plant cell :: \_\_\_\_\_: Animal cell.

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**31.** How many types of gametes are found from

AaBb?

32. Show the phenotypic ratio in dihybrid

cross?



33. Write down the main difference between

convergent and divergent evolution.

**34.** Between these four followings three of them belong to same thing. Find them -Western Ghat, Sundaland, Eastern Ghats, Himalaya.

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35. Write difference between Sanctuary and

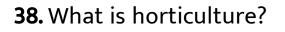
National Park.

**36.** Write doen the difference between tropic and nastic movement among these two character-nature of stimulus, effect of hormone.

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37. A function of nerve tissue of animal

body\_\_\_\_



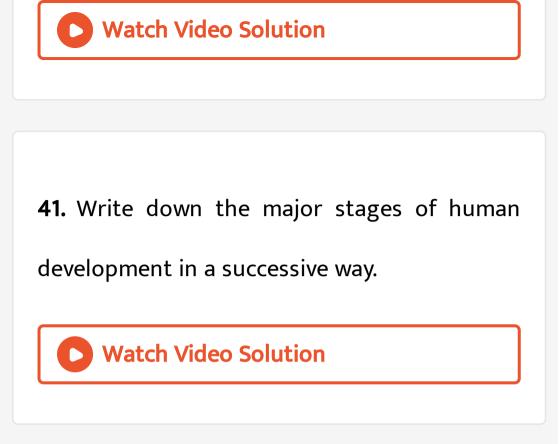
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**39.** Write down the role of Mytome muscle in

fish locomotion.

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**40.** Write down the name of four type of chromosome in the basis of the position of centromere.



**42.** What is cell cycle? Give the importance of

cell cycle.

**43.** "Are the laws of genetics by Mendel applicable for all cases?"-Write your thinks about it.



**44.** Why Mendel choosed pea tree for his experiment on genetics? Write two causes for it.



45. Write down the role of genetic councelling

in prevention of genetic disease.

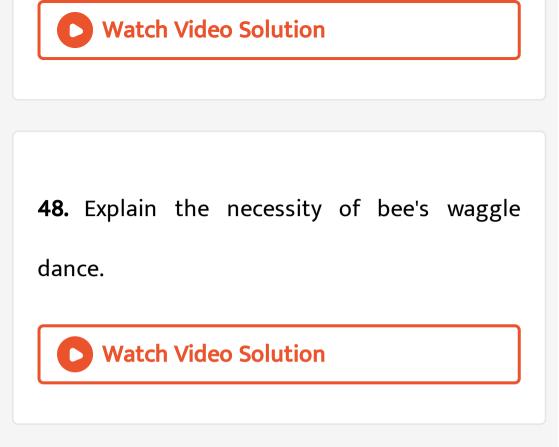


46. Write down the problems of a rohu fish

whose swim bladder is damaged.

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**47.** Explain camel's ability to withstand extreme water loss.



**49.** Write down two reservation process to increase the number of one horned rhino in Jaldapara.

**50.** Write down two harmful effects of acid rain upon living organism.



51. Name some National Parks in India

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**52.** What are the 2 types of root systems?



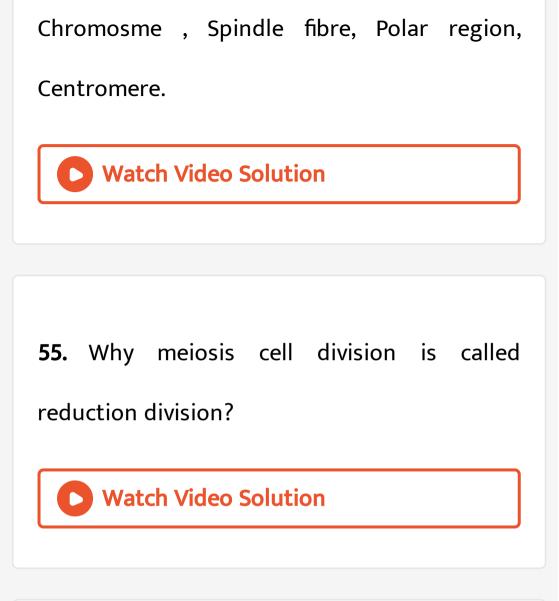


**53.** Draw a neat diagram of the cross section of human eyeball and lebel of the following parts-

Retina , Lens, Iris, Blind spot.



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



**56.** Write down the morphological changes of cell in prophase stage of mitosis cell division.



**57.** There is a delicious mango tree in your friend's house. You want to plant same kind of mango tree in your house. Explain how can you do this

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**58.** Explain the benefits of tiger in a dense forest for variation. How can you assume

about	dominant	recessive	homozygous-
heterozygous and pure hybrid organism from			
a genetic cross.			
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<b>59.</b> Write Mendel's sample of experiment			
<b>Watch Video Solution</b>			
<b>60.</b> Exp	lain how air	sack helps	pigeon in its

evolution.

'Communication exchange and problem solving are two important behavioural adaptation-Prove the statements with approipriate example.

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61. Write down the effects of sound pollution

on human health.

**62.** Nitrogen in a kind of chemical element whose circulation from nature to organism and vise-versa is controlled largely by microbes -analyse the statement.

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**63.** A long term pollution is seen recently in the capital city of India.-Identify the pollution and its causes.



64. What are the effect of noise pollution on

human and animals ?