



## **BIOLOGY**

# **BOOKS - UNITED BOOK HOUSE**

# 2018 QUESTION PAPER



 Which one of the following is not an endangered species? A) Snow leopard B) Indian lion C) Gharial D) Wolf A. Snow leopard

B. Indian lion

C. Gharial

D. Wolf

#### **Answer:**



**2.** The formula of Natality is - A) N = t/nD B N =

nD/t C) M = md/t D) M = t/mD

A. 
$$N=rac{t}{nD}$$
  
B.  $N=rac{nD}{t}$   
C.  $M=rac{mD}{t}$   
D.  $M=rac{t}{mD}$ 

#### **Answer:**



3. To which of the following the term 'Deep

litter' process is associated?

#### A. Dairy farm

- B. Apiculture
- C. Fishery
- D. Poultry farm.

#### Answer:



4. Who proposed the theory of Bio-chemical

origin of life for the first time?

A. Darwin

B. Heackel

C. Oparin

D. Fox

**Answer:** 

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**5.** If father is normal but mother is a carrier of colour blindness then which offsprings will be colour blind?

A. all daughters will be carrier

B. all daughters wil be normal

C. half of the sons will be normal and the

other half will be colour blind

D. both (b) and (c)

Answer:

6. When male and female gametes are produced and unite in the same body then it is called-

A. Isogamy

B. Oogamy

C. Endogamy

D. Autogamy.

#### Answer:

7. Name of the pathogen which causes syphilis

is -

- A. Treponema pallidum
- B. Neisseria gonorrhoeae
- C. Trichomonas vaginalis
- D. Chlamydia trachomatis.

#### Answer:

8. Which one of the following is present in

Transgenic 'golden Rice' in huge quantity?

A. Vitamin D

B. Methionine

C. Lysine

 $\mathsf{D.}\,\beta-carote\neq .$ 

#### Answer:



**9.** The overall species diversity among different communities belonging to different ecosystems within a large geographic area is called-

A. Alpha diversity

B. Beta diversity

C. Gamma diversity

D. Genetic diversity.

#### Answer:





**10.** By which enzyme is nucleic acid cleaved?

A. Nuclease

**B.** Protease

C. Ligase

D. Polymerase

**Answer:** 

11. Interferons act against-

A. Protoszoa

B. Gungi

C. Bacteria

D. Virus

**Answer:** 



**12.** Which of the following three codes function as termination signal in protein synthesis?

A. UAA, UGA UAG

B. UUU, UAU, UCC

C. UUG, UCG, UCA

D. UUC, UUA, UAC

#### Answer:

# **13.** The karyotype of persons having Klinefelter's syndrome is

A. 47, XXY

B. 45, X

C. 47, +21

D. 46, XY

#### **Answer:**

14. The nucellus of an ovule is A) Haploid B)

Diploid C) Triploid D) Polyploid

A. Haploid

B. Diploid

C. Triploid

D. Polyploid.

Answer:

15. Give the relation between Gross Primary

Production and Net Primary Production.



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**17.** What do you mean by emasculation?



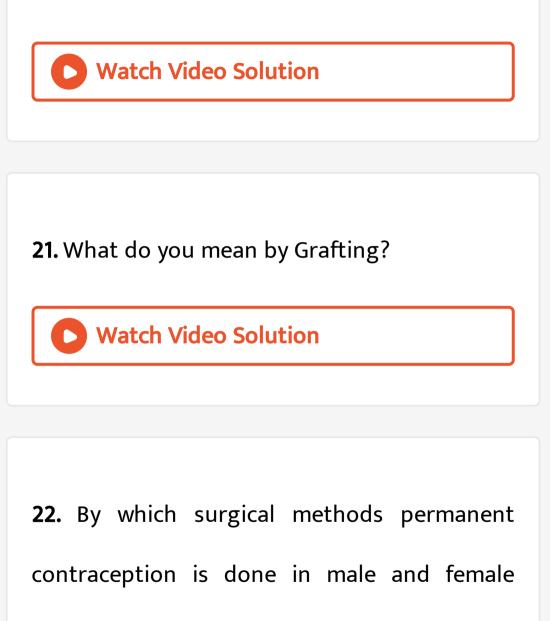
**18.** Who proposed the law of adaptive radiation?

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19. In which type of plant conidia is the unit of

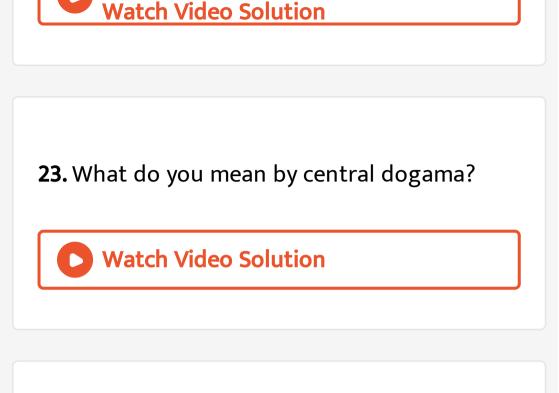
asexual reproduction?

#### **20.** What is menopause?



human body?

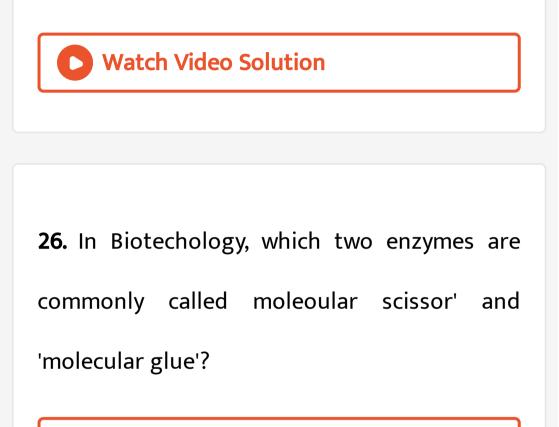




**24.** What do you mean by Pleiotropy? Give example.



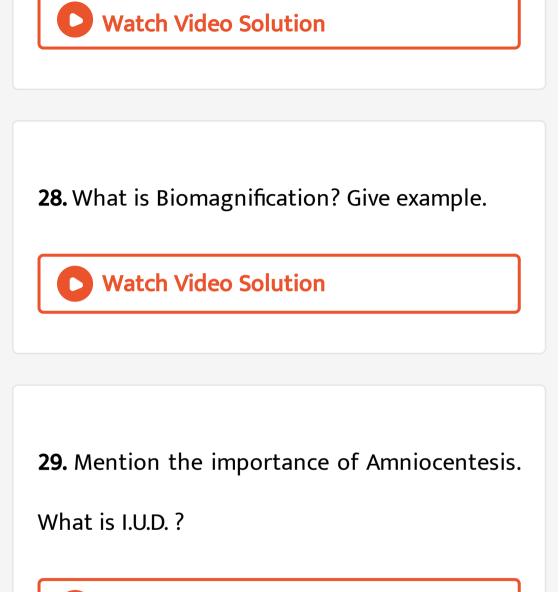
**25.** What do you mean S.C.P.? Give exmaple.



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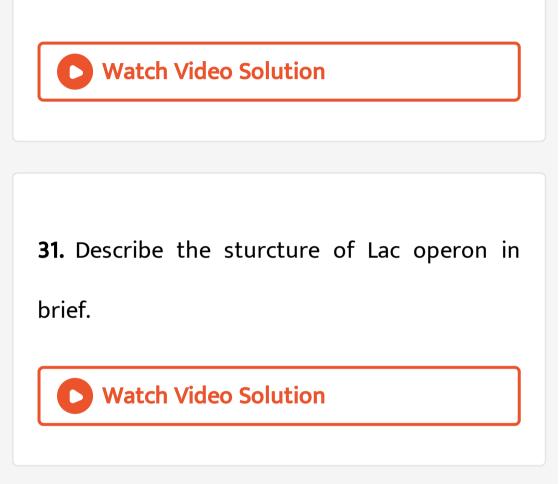
27. What do you mean by 'Chipko Movement'?

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**30.** Write a short note on Nucleosome.



**32.** Mention any three types of molecular evidences of evolution with example.



#### **33.** Describe in brief the structure of a typical

antibody with labelled diagram.

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34. Write the symptoms of Filariasis in brief.

Mention the scientific name of the pathogen

causing this disease.

**35.** Name one bacterial disease of poultry birds. What do you mean by Poultry farm Management?

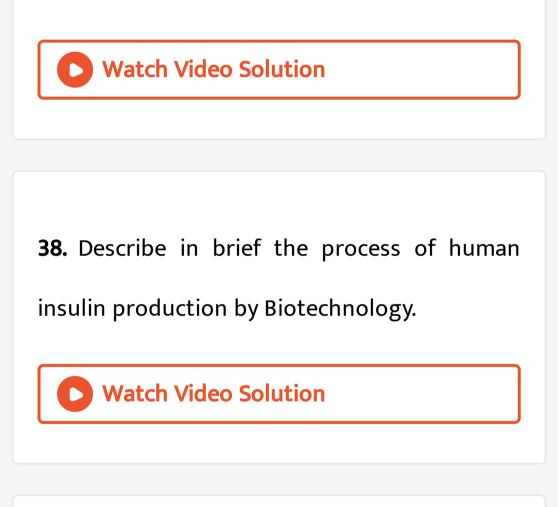


36. Mention the use of any three bacteria as

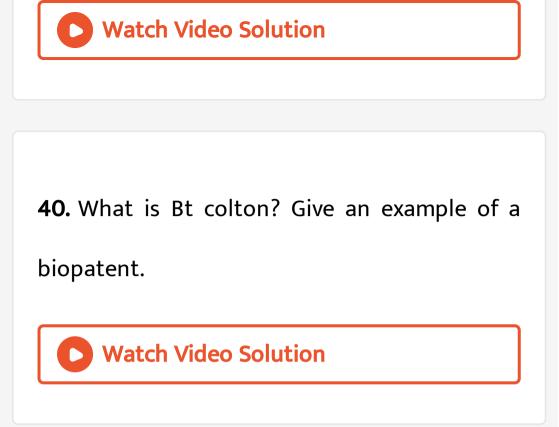
biofertilizer.

37. Mention the use of any three bacteria in

industrial production.



**39.** What do you mean by cDNA? What is transfection?



### 41. What do you mean by volant adaptation in

Animals? What is Patagia?

**42.** Write the role of following in DNA replication: Primase Explain polygenic inheritance with example.

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**43.** Write the role of following in DNA replication: Helicase. Explain polygenic inheritance with example.

**44.** Write the role of following in DNA replication: DNA Polymerase-III. Explain polygenic inheritance with example.

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**45.** Describe the significance of global warming. Describe the reasons for extinction of Biodiversity.

46. Mention the conditions for determination

of biodiversity Hot-spot. Describe any three

kinds of population interaction with example.