



BIOLOGY

BOOKS - UNITED BOOK HOUSE

2019 QUESTION PAPER

Exercise

1. Characteristic of xerophyte is A) Thick cuticle
B) Sunken stomata C) Presence of water
storing tissue D) all of these

A. thick cuticle

B. sunken stoma

C. presence of water storing tissue

D. all of these

Answer:



Watch Video Solution

2. Which one of the following is an example of restriction endonuclease enzyme? A) Taq

polymerase B) DNA polymerase C) Ligase D)

Eco RI.

A. Taq polymerase

B. DNA polymerase.

C. Ligase

D. Eco RI.

Answer:



Watch Video Solution

3. Which one of the following is an exotic fish?

A) *Labeo rohita* B) *Cyprinus carpio* C) *Tilapia mossambica* D) Both (B) and (C)

A. *Labeo rohita*

B. *Cyprinus carpio* var. *communis*

C. *Tilapia mossambica*

D. Both (b) and (c)

Answer:



Watch Video Solution

4. According to Chargaff's rule which one of the following is correct? A) $G=T$ B) $A=C$ C) $A+G = T+C$ D) $A+T/G+C = 1$

A. $G=T$

B. $A=C$

C. $A+C=T+C$

D. $A+T/G+C=1$

Answer:



Watch Video Solution

5. F_2 phenotypic ratio of 1: 2: 1 in monohybrid cross indicates the presence of which one of the following phenomena? (A) Incomplete dominance (B) Multiple alleles (c) Pleiotropy (D) None of these

A. Incomplete dominance

B. Multiple alleles

C. Pleiotropy

D. None of these.

Answer:



Watch Video Solution

6. Which one of the following is regarded as advantage of self-pollination (A) In this process the purity of species is maintained (B) This process is not dependent on any carriers (C) This process does not not require huge number of pollen grains (D) all of these

A. In this process the purity of species is maintained

B. This process is not dependent on any carriers

C. This process does not not require huge number of pollen grains

D. all of these

Answer:



Watch Video Solution

7. The hormone controlling parturition is -

A. Adrenaline

B. Insulin

C. Oxytocin

D. Vasopressin.

Answer:



Watch Video Solution

8. The cloning vector pBR^{322} used in genetic engineering is a/an- (A) Plasmid (B)

Bacteriophage (C) Cosmid (D) Artificial
chromosome

A. plasmid

B. bacteriophage

C. Cosmid

D. artificial chromosome.

Answer:



Watch Video Solution

9. Sunder Lal Bahuguna was the leader of which one of the following movements?

A. Silent Valley Movement

B. Bishnoi (Jaipur) Movement

C. Chipko Movement

D. None Of The Above

Answer: None of these.



Watch Video Solution

10. An example of secondary air pollutant is (A) Sulphur dust (B) Aromatic hydrocarbon (C) CO (D) Peroxiacetyl nitrate

A. Sulphur dust

B. Aromatic hydrocarbon

C. CO

D. Peroxiacetyl nitrate (PAN)

Answer:



Watch Video Solution

11. Which one of the following is a bacterial insecticide?- (A) Verticillium spp. (B) Arthrobotrys spp. (C) Dactylella spp. (D) Bacillus thuringiensis

A. Verticillum sp

B. Arthrobotrys sp

C. Dactylelia sp

D. Bacillus thuringiensis.

Answer:



Watch Video Solution

12. Vermiform Appendix in humans is a
evidence of evolution- (A) Embryological (B)
Palaeontological (C) vestigial organic (D) None
of these

A. Embryological

B. Palaeontological

C. Vestigial organic

D. None of these.

Answer:



Watch Video Solution

13. If the tip of the pollen tube enters into the embryo sac of the ovule through micropyle then it is called- (A) Chalazogamy (B) Porogamy (C) Mesogamy (D) Autogamy

A. Chalazogamy

B. Porogamy

C. Mesogamy

D. Autogamy

Answer:



Watch Video Solution

14. Example of Polygenic Inheritance is - (A) Human skin color (B) Sickle cell anemia (C) ABO group (D) Cystic fibrosis

A. human skin colour

B. sickle cell anaemia

C. ABO group

D. cystic fibrosis.

Answer:



Watch Video Solution

15. What is Biofortification?



Watch Video Solution

16. Mention any one function of the Prostate gland.



Watch Video Solution

17. What do you mean by "True fruit"?



Watch Video Solution

18. Define Synecology.



Watch Video Solution

19. What is Biome?



Watch Video Solution

20. What is the function of centromere?



Watch Video Solution

21. What is colostrum? Name any one of the disease resisting antibodies present in it.



Watch Video Solution

22. Give one example of an autosomal genetic disease. What is its reason?



Watch Video Solution

23. What do you mean by Intron and Exon?



Watch Video Solution

24. Describe in brief the process of transmission of Malaria disease.



Watch Video Solution

25. What do you mean by metastasis?



[Watch Video Solution](#)

26. What is Endonuclease? What do you mean by Restriction site?



[Watch Video Solution](#)

27. Define Ex-situ conservation Give one example.



[Watch Video Solution](#)

28. Mention two ways for controlling Air pollution created by automomobiles.



[Watch Video Solution](#)

29. State about the stages of the development of dicotyledonus embryo.



[Watch Video Solution](#)

30. What is Sertoli cell? What do you mean by Spermeation?



Watch Video Solution

31. Describe the basic principle of Hardy-Weinberg. What do you mean by Gene pool?



Watch Video Solution

32. Describe in brief the steps of Initiation phase of Transcription.



Watch Video Solution

33. Write the functions of m-RNA, t-RNA and r-RNA.



Watch Video Solution

34. What do you mean by Vaccination?

Mention in Brief the cause and symptoms of Typhoid.



Watch Video Solution

35. What is Carcinogen? How can you prevent the occurrence of Cancer?



Watch Video Solution

36. Give a brief account of Septic Tank system in small scale sewage treatment process. What is activated sludge?



Watch Video Solution

37. Describe the plant tissue culture process in brief.



Watch Video Solution

38. How the extract of pituitary gland is prepared for induced breeding of carp? What do you mean by composite mixed fish culture of carp?



Watch Video Solution

39. Describe the essential steps in Genetic Engineering.



Watch Video Solution

40. What do you mean by Biopatent, Biopiracy and Biosafety?



Watch Video Solution

41. Mention any two reasons for creation of Ozone hole. What is Electrostatic?



Watch Video Solution

42. Distinguish between Endothermic and poikilothermic animals. What are osmoregulators?



Watch Video Solution

43. With a labelled diagram, describe in brief the origin and development of male gametophyte of Angiosperm. What is sporopollenin?



Watch Video Solution

44. With a labelled diagram, describe in brief the histological structure of human ovary.
What do you mean by placenta?



Watch Video Solution

45. Distinguish between Incomplete dominance and Co-dominance.



Watch Video Solution

46. What do you mean by sex-linked Inheritance? Mention the causes and symptoms of Turner's syndrome.



Watch Video Solution

47. Define ecological succession. Describe the general process of plant succession with example.



Watch Video Solution