



BIOLOGY

BOOKS - ARIHANT PRAKASHAN

VERY SIMILAR TEST 8

Section A Botany

1. Automobile exhaust gas that causes major respiratory problem is :

A. CO

B. CH_4

C. NO_2

D. Cl

Answer:



Watch Video Solution

2. After fertilisation the integuments of an ovule develop into

A. seed

B. seed coat

C. fruit

D. fruit wall

Answer:



Watch Video Solution

3. The term gene was coined by _____

A. Garrod

B. Johannsen

C. Griffith

D. Meischer

Answer:



Watch Video Solution

4. Law of independent assortment of Mendel can be proved on the basis of which F₂ ratio ?

A. 9 : 3 : 3 : 1

B. 2: 1: 1

C. 1: 2: 1

D. 3: 1

Answer:



Watch Video Solution

5. A fungus which is used as a method of biocontrol is

A. Glomus

B. Trichoderma

C. Penicillium

D. Aspergillus

Answer:



Watch Video Solution

6. Correct the statement of each hit if necessary by changing the underlined word only

(a) Lichens and mosses are the part of

halosere.

(b) Internal buds in sponges are called gemmiferous cups .

(c) The ovule is attached to the placenta by hilum.

(d) Galactose acts as an inducer molecule in lacoperon.

(e) The genetically superior individuals are called clones.



Watch Video Solution

7. Write notes on any three of the following
each write two to three important points.

(a) Net primary productivity

(b) Morphological adaptations in xerophytes

(c) Layering

(d) Pollen-pistil interaction

(e) Tertiary treatment of sewage water ,br> (f)

Transcription unit



Watch Video Solution

8. Differentiate between any one pair of the following with three to four important points

(a) Monocot seeds and Dicot seeds

(b) Immigration and Emigration

(c) Intervarietal cross and Intravarietal cross



Watch Video Solution

9. Describe the mechanism of development of dicot embryo along with labelled diagram.



Watch Video Solution

10. Explain the Watson and Crick model of DNA with the help of a labelled diagram.



Watch Video Solution

11. Describe the initiation steps of polypeptide synthesis during prokaryotic translation.



Watch Video Solution

12. Explain what is a biofertiliser. Describe its types and also mention the importance of the use of biofertilisers.



Watch Video Solution

Section B Zoology

1. Name the organism which is used as cloning host for insulin production.



Watch Video Solution

2. Name the organism from which LSD is extracted.



[Watch Video Solution](#)

3. Which of the following hormones is not a product of human placenta ?

A. Progesterone

B. Oestrogen

C. hCG

D. LH

Answer:



Watch Video Solution

4. Periodic abstinence refers to the avoidance of intercourse during

A. luteal phase

B. ovulatory phase

C. menstrual phase

D. None of these

Answer:



Watch Video Solution

5. In Down's syndrome, the chromosomal aberration is called as

A. triploidy

B. polyteny

C. polyploidy

D. aneuploidy

Answer:



Watch Video Solution

6. Fill in the blanks with correct answer(s)/

Correct the underlined portion of the sentences :

(a) Typhoid is diagnosed by Mantous test.

(b) Causative organisms of malignant malaria

.....

(c) Out of the five antibodies produced by the B-lymphocytes and plasma cell, is produced in response to the presences of allergens in the body.

(d) Analogous organs are similar but..... different.

(e) Animal feed as generally rich in micronutrients.



Watch Video Solution

7. Write a short note on types and causes of cancer.



Watch Video Solution

8. What is Amniocentesis?



Watch Video Solution

9. What are the principle elements of Lamareck.s theory of evolution ?



Watch Video Solution

10. State symptoms and treatment of typhoid.



Watch Video Solution

11. What is the advantages of cross breeding in cattle ?



Watch Video Solution

12. What are endonucleases ?



Watch Video Solution

13. IgG and IgM.



Watch Video Solution

14. Write notes on any two of the following

(a) Types of fossils (b) Haemophilia

(c) Spermatogenesis (d) Gonadotropins



[Watch Video Solution](#)

15. Mainly which type of hormones control the menstrual cycle in human beings ?



[Watch Video Solution](#)

16. Describe the different types of sex-determination in insects.



[Watch Video Solution](#)

17. Give a brief account of various tools used in recombinant DNA technology ?



Watch Video Solution