BIOLOGY

BOOKS - MODERN PUBLICATION

SAMPLE PAPER 2018

Exercise

1. Choose the correct answer from the choices given under each bit/ Give the answer in one word only :

Which species in honeybees is commercially cultivated ?

A. Apis dorsata

B. Apis florea

C. Apis mellifera

D. Apis indica

Answer:

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2. Choose the correct answer from the choices given under each bit/ Give the answer in one word only :

Human embryo is protect by which cavity ?

    A. Amniotic cavity

    B. Pleural cavity

    C. Peritoneal cavity

    D. Neural cavity

Answer:

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3. Which is an exotic breed of cattle?

A. Jersey

B. Sahiwal

C. Gir

D. Red Sindhi

Answer:

4. What is called protein pathogen that does not contain nucleic acid ?

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5. Which department of the Govt. of India is the nodal centre for Indian- biosafety network ?

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

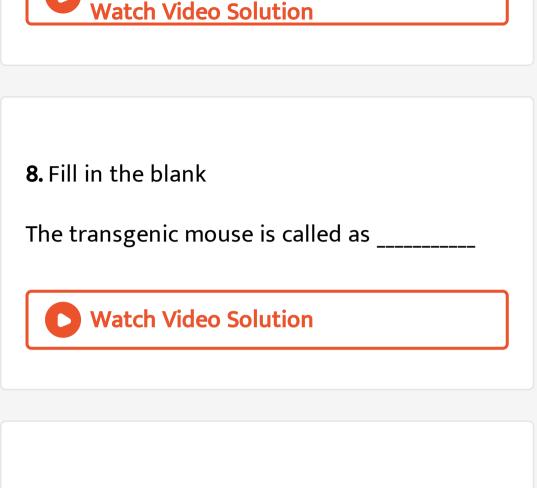Genetically engineered rice rich in vitamin A is known as ____.

7. Fill in the blanks with correct answer(s)/ Correct the underlined portion of the sentences :

The infective stage of malarial parasite is _____.

8. Fill in the blank

The transgenic mouse is called as _____

9. Fill in the blank

The 'Father of modern Paleontology' is

_____

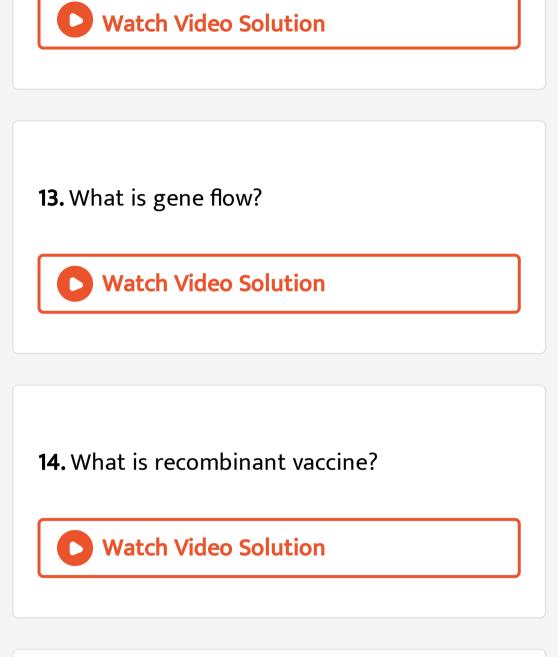**10.** Fill in the blank

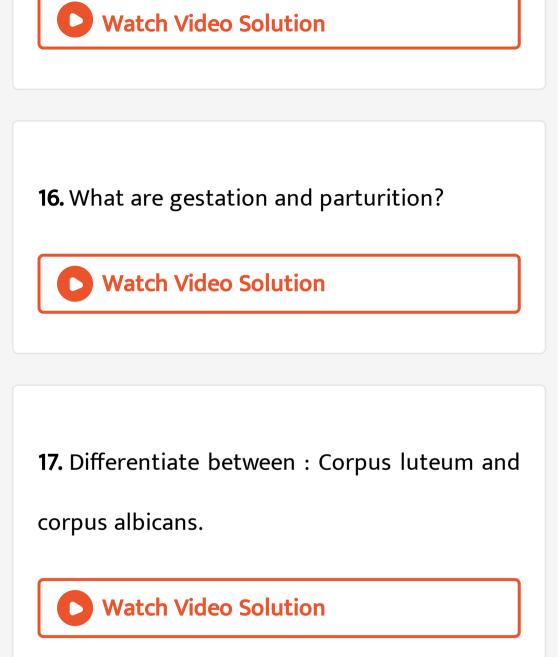HIV is treated using a combination of medicines called _____ therapy.
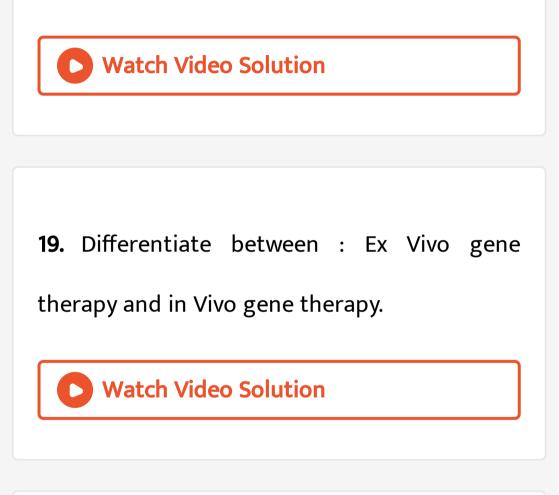
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11. What is innate immunity?

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12. What is Hardy -Weinberg principle?

13. What is gene flow?

14. What is recombinant vaccine?

15. What is patent?

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16. What are gestation and parturition?

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17. Differentiate between : Corpus luteum and corpus albicans.

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18. Differentiate between : Broilers and layers

19. Differentiate between : Ex Vivo gene therapy and in Vivo gene therapy.

20. Give an account of the human female reproductive system,
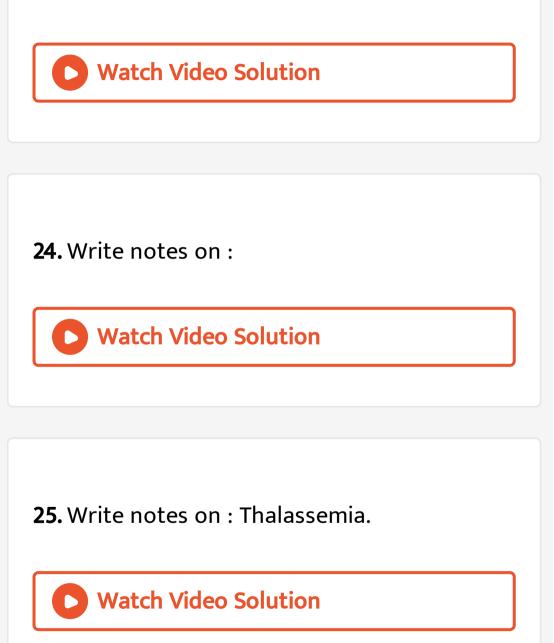
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21. Discuss theory of natural selection proposed by darwin.

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22. Describe the chromosomal basic of sex determination in human,honey bee and birds.

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23. Write notes on :

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24. Write notes on :

▶ Watch Video Solution

25. Write notes on : Thalassemia.

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26. Write notes on : Genetically modified organism.

27. Choose the correct option

The process by which scion is inserted successfully into the stock to form a new plant is called ....

    A. layering

    B. cutting

C. grafting

D. budding

Answer: C

28. In ......, pollen tube enters through micropyle into the ovule.

A. porogamy

B. chalazogamy

C. mesogamy

D. herkogamy

Answer: A

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29. If allele for tallness (TT) is dominant and dwarfness (tt) is recessive , then in cross between _____ 50 % of the offsprings will be dwarf .

A. TT $\times$ tt

B. Tt $\times$ tt

C. tt $\times$ tt

D. Tt $\times$ Tt

Answer: B

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30. In secondary treatment of sewage in open bioreactors , the microorganisms grow and multiply to form _____

A. manure

B. compost

C. sludge

D. sediment

Answer: C

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31. When propagating untis like seeds and spores enter a barren area to initiate the process of succession, it is called_____

A. nudation

B. reaction

C. ecesis

D. migration

Answer: D

32. The number of deaths taking place in a particular population in the unit time.

33. Correct the statements of each bit, if necessary,by changing the underlined words only:

Excessive nourishment that causes algal bloom is known as biomagnification.

34. Correct the statements of each bit, if necessary,by changing the underlined words

only:

Naked plant cell without cell wall is called plasmalemma.

35. The complementary base of adenine in RNA molecule is thymine. true or false

36. Correct the statements:

The outer sterile tissue that provides nourishment to the developing microspores in microsporangia is called endothecium.

37. Write notes on any three of the following, each with 2 to 3 important points:

Food chain

Codominance

BOTfortification

Alcoholic beverages

BOTdiversity hot spots

Operon concept.

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38. Differentiate between any one of the

following with 2 to 3 important points.

Anther culture and Endosperm culture

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39. Give an account of development of female gametophyte in angiosperms.

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40. Describe initiation step of translation in prokaryotes.

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41. Answer within 200 words : Give an account of secondary air pollutants .

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42. Discuss Mendel's dihybrid cross with checker board.

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