



BIOLOGY

BOOKS - NTA MOCK TESTS

NTA NEET SET 65

Biology

1. Select the correct statements.

- a. The most common form of prion disease that affects sheep is Creutzfeldt-Jakob disease.
- b. A prion is a type of glycoprotein that can trigger normal proteins in the liver to fold abnormally .
- c. Prions attack nerve cells producing neurodegenerative brain disease.

A. a and b only

B. c only

C. b only

D. a,b and c

Answer: B



Watch Video Solution

2. Match the following and identify the correct match.

The dinosaur Era In millions of years before

a Triassic i 175

b Jurassic ii 225

C Cretaceous iii 125

A. a-ii, b -i c-iii

B. a-iii, b -i c-ii

C. a-i, b -ii, c-iii

D. a-ii, b - iii, c-i

Answer: A



Watch Video Solution

3. Match the column:

Column I	Column II
1 Copper	A Needed for the synthesis of Auxin
2 Boron	3 Pollen germination
3 Zinc	C Associated with an enzyme involved in Redox reaction

A. 1 – A , 2 – B , 3 – C

B. 1 – B , 2 – C , 3 – C

C. 1 – C , 2 – B , 3 – A

D. 1 – B , 2 – A , 3 – A

Answer: C



Watch Video Solution

4. The natural selection that acts against change in form and keeps the population constant through the time is :

A. Disruptive

B. Directional

C. Not acting

D. Stabilizing

Answer: D



Watch Video Solution

5. With reference to enzymes, turnover number means.....

A. The number of substrate molecules that a molecule of an enzyme converts into products per hour

B. The number of substrate molecules that a molecule of an enzyme converts into products per second

C. The number of substrate molecules that a molecule of an enzyme converts into products per minute

D. The number of substrate molecules that a molecule of an enzyme converts into products per day

Answer: C



Watch Video Solution

6. Which of the following is an incorrect statement ?

- A. Darwin finches show convergent evolution .
- B. Home erectus evolved earlier than Homo sapiens .
- C. Home sapiens appeared in African grassland
- D. Archaeopteryx is connecting link between the birds and reptiles .

Answer: A



Watch Video Solution

7. Which one of the following belongs to the same class?

- A. Mucor , Alternaria and Yeast
- B. Morchella , Truffles and Saccharomyces
- C. Agaricus , Rhizopus and Aspergillus
- D. Rhizopus, Colletotrichum and Yeast

Answer: B



Watch Video Solution

8. Health complication caused by protein deficiency is

- A. Marasmus , impaired mental problem , hair loss , abnormal blood coagulation , deep vein thrombosis
- B. Goiter , Kwashiorkor, dwarfism , hair loss, abnormal blood coagulation , deep vein thrombosis

C. Myasthenia gravis , edema , wasting and shrinkage of muscle tissues , organ failure

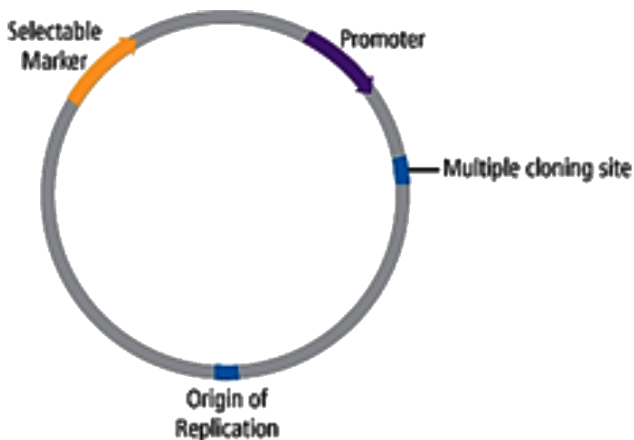
D. Lymphoma , weak immune system , Kwashiorkor , Marasmus , dwarfism , hair loss, abnormal blood coagulation , deep vein thrombosis

Answer: A



Watch Video Solution

9. Identify the type of vector represented in the diagram given below.



- A. An expressable plasmid
- B. A tumor inducing plasmid
- C. Plasmid which expresses in two hosts
- D. The plasmid to be constructed

Answer: A



Watch Video Solution

10. Which of the following antibody the strongest agglutination ?

- A. IgA
- B. IgD
- C. IgE
- D. IgM

Answer: D



Watch Video Solution

11. Which of the following suggests the main role of bacteria in the carbon cycle ?

A. photo - oxidation

B. photosynthesis

C. carbon fixation

D. decomposing

Answer: D



Watch Video Solution

12. Match the following

	Set –I		Set – II
a	Rancher's rule	1	Body size
b	Bergman's rule	2	Wings
c	Allen's rule	3	Vertebra number
c	Jordan's rule	4	Organ size

A. a-1,b-2,c-4,d-3

B. a-3,b-4,c-2,d-1

C. a-2,b-1,c-3,d-4

D. a-2,b-1,c-4,d-3

Answer: D



Watch Video Solution

13. A newly discovered plant was found to be a gymnosperm because it

A. lacks ovary but possesses exposed ovules

B. possesses xylem vessels

C. bears pollen grains

D. develops fruits

Answer: A



Watch Video Solution

14. Thehormone is secreted by thecells of kidneys stimulates the formation of erythrocyte.

- A. Erythropoietin , JG
- B. Erythropoietin, Interstitial fibroblasts
- C. Renin , JG
- D. Renin. Macula densa

Answer: B



Watch Video Solution

15. Which of the following factors affect the rate of transportation ?

- A. Temperature, wind speed
- B. Humidity , stomatal density
- C. Both a and b

D. Shape of subsidiary cells

Answer: C



Watch Video Solution

16. Which of the following hormone is responsible for the release of bile from the gall bladder

A. Secretin

B. Pencrozymin

C. Enterogastrone

D. Gastrin

Answer: B



Watch Video Solution

17. Algae and fungi are characterised by the possession of

- A. (No Suggestions)
- B. Chloroplast
- C. Multicellular jacketed sex organs
- D. Unicellular jacketed sex organs

Answer: A



Watch Video Solution

18. Which cells are responsible for the phagocytosis of antigens and removal of cellular debris

- A. T helper cells
- B. Plasma cells
- C. Fibroblast
- D. Macrophages

Answer: D



Watch Video Solution

19. Mesogamy is

- A. Entry of the pollen tube in the ovule through micropyle
- B. Entry of the pollen tube in the ovule through integuments
- C. Entry of the pollen tube in the ovule through chalaza
- D. Entry of the pollen tube in the stigma and style

Answer: B



Watch Video Solution

20. Epimysium is the outermost covering of following tissue / organ

- A. Nervous tissue

B. Muscular tissue

C. Cartilage

D. Intestine

Answer: B



Watch Video Solution

21. Apomixis is found in

A. Asteraceae but not in grasses

B. grasses but not in Asteraceae

C. both Asteraceae and grasses

D. neither is Asteraceae nor in grasses

Answer: C



Watch Video Solution

22. The epithelium found in hollow organs (like bronchioles) are originallyepithelium bearing fine brush - like structures on its free surface.

- A. columnar
- B. glandular
- C. squamous
- D. compound

Answer: A



Watch Video Solution

23. Fill in the blanks :

- i. The morphology of the chromosome is studied atA.....
- ii. Recombination nodule appears atB.....stage of prophase - I
- iii.C.....induces polyploidy by inhibiting polymerisation of spindles.
- iv. True reduction in number of chromosome occurs inD.... stage.

A. A - Anaphase , B - Pachytene

B. C - Mustard gas, D - Metaphase I

C. A - Prophase , C - Colchicine

D. B - Pachytene , D - Anaphase - I

Answer: D



Watch Video Solution

24. Which of the following sets consist of pseudocoelomate organisms ?

A. Ascaris , Ancylostoma

B. Fasciola, Earthworm

C. Roundworm , Taperworm

D. Taenia , Fasciola

Answer: A



Watch Video Solution

25. Hormones have the following features:

I. Adenophypophysis produces gonadotropins

II. Besides sex cells , hormones are also produced by testis and ovary

III. Testosterone is produced by Leydig cells

IV. Estrogen is produced by the ovary

Which of the above factors influence secondary sexual characters ?

A. III and IV

B. II, III and IV

C. II and IV

D. All

Answer: D



Watch Video Solution

26. The amino acid found only in bacterial and blue - green algae is

- A. methionine
- B. diamino - pimelic acid
- C. aspartic acid
- D. glutamic acid

Answer: B



Watch Video Solution

27. Select the correct order of phyla on the basis of the number of species.

- A. Mollusca > Arthropoda > Chordata
- B. Arthropoda > Mollusca > Chordata > Aschelminthes
- C. Arthropoda > Chordata > Mollusca
- D. Arthropoda > Aschelminthes > Chordata

Answer: D

28. In a DNA molecule, nitrogenous base is linked to pentose sugar by 'A' linkage and the pentose sugar is linked to phosphate by 'B' linkage.

Correctly identify A and B.

- | | | |
|----|------------------------|------------------------|
| | Column A | Column B |
| A. | N - Glycoside linkage | Amide linkage |
| | Column A | Column B |
| B. | N - Glycoside linkage | Phosphodiester linkage |
| | Column A | Column B |
| C. | Phosphodiester linkage | Phosphodiester linkage |
| | Column A | Column B |
| D. | Amide linkage | Phosphodiester linkage |

Answer: B

29. During spermatogenesis , secondary spermatocytes are result of

- A. Mitosis

B. Meiosis -I

C. Meiosis -II

D. Growth

Answer: B



Watch Video Solution

30. Select the incorrect statement .

- A. The cell envelope consists of a tightly bound three layered structure , of which plasma membrane is the innermost layer
- B. A specialized differentiated form of cell membrane called mesosome is the characteristic of prokaryotes.
- C. Surface structures of the bacteria , like flagella , pili and fimbriae play a major role in motility .

D. Gas vacuoles are found in blue green and purple and green photosynthetic bacteria.

Answer: C



Watch Video Solution

31. Which of these pairs of organisms are bilaterally symmetrical and triploblastic ?

A. Ascaris , Planaria

B. Spongilla , Limulus

C. Fasciola , Echinus

D. Hirudinaria , Ctenoplane

Answer: A



Watch Video Solution

32. Identify the living plant tissues , whose main function is to provide buoyancy to the plant .

- A. Sclerenchyma fibres
- B. Sclereids
- C. Collenchyma
- D. Modified parenchyma

Answer: D



Watch Video Solution

33. A vascular bundle which lacks cambium is called

- A. Conjoint , and collateral
- B. Conjoint , but not collateral
- C. Closed , and collateral
- D. Bicollateral

Answer: B



Watch Video Solution

34. Which of the following factors contributes to the increase of the pulmonary volume ?

- A. Relaxation of the external intercostal muscles
- B. Relaxation of the internal intercostal muscles
- C. Contraction of the internal intercostal muscles
- D. Relaxation of the diaphragm

Answer: B



Watch Video Solution

35. Which of the following is the basis of phylogenetic classification ?

- A. Nutrition related adaptations
- B. Descent from a common origin
- C. Habitat adaptations
- D. Morphological similarities in the organisms

Answer: B



Watch Video Solution

36. Choose the incorrect match in the following.

- A. Inspiratory capacity = IRV + TV
- B. Functional residual capacity = RV + ERV
- C. Total lung capacity = VC - TV
- D. Vital capacity = ERV + TV + IRV

Answer: C



Watch Video Solution

37. Gonyaulax is a protist which

- A. causes an algal bloom where its rapid multiplication changes the sea colour
- B. leads to the formation of diatomaceous earth
- C. behaves like a heterotroph in the absence of sunlight
- D. has an infectious spore - like stage in their life cycle and has a staggering effect on the human population .

Answer: A



Watch Video Solution

38. What will happen if the secretion of parietal cells of gastric glands is blocked with an inhibitor?

- A. Gastric juice will be deficient in chymosin

B. Gastric juice will be deficient in pepsinogen

C. In the absence of HCl secretion, inactive pepsinogen is not converted into the active enzyme pepsin

D. Enterokinase will not be released from the duodenal mucosa and so trypsinogen is not converted to trypsin

Answer: C



Watch Video Solution

39. Out of the following animals , how many show the oestrous cycle ?

[Lizard , Lion , Goat , Rat , Human , Apes , Monkeys]

A. Four

B. Five

C. Two

D. Three

Answer: D



Watch Video Solution

40. Which of the following parts of the human eye comprises of densely packed cones ?

- A. Fovea
- B. Blind sport
- C. Macula lutea
- D. Retina

Answer: A



Watch Video Solution

41. After the_____ nucleate stage cell walls are laid down leading to the organisation of the typical female gametophyte

A. 4 - nucleate

B. 8 - nucleate

C. 2 - nucleate

D. 6 - nucleate

Answer: B



Watch Video Solution

42. The association areas of the brain are responsible for

A. intercessory associations , memory and communication.

B. the coordination for sensory and motor signaling .

C. regulation of respiration and circulation .

D. body temperature , urge for eating and drinking.

Answer: A



Watch Video Solution

43. Which type of endosperm is observed in the white kernel of coconut ?

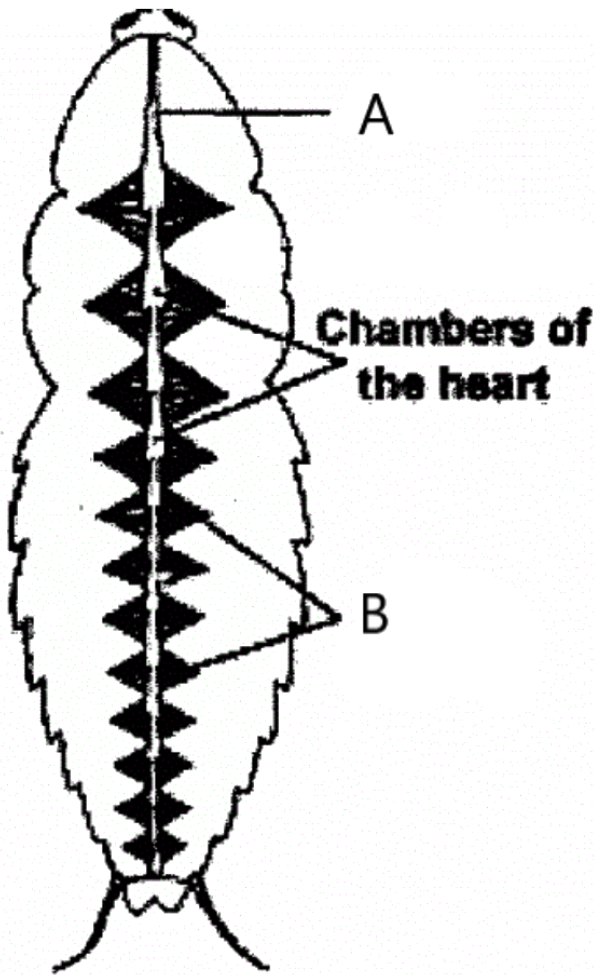
- A. Cellular
- B. Nuclear
- C. Helobial
- D. Endosperm is absent

Answer: A



Watch Video Solution

44. Refer to the diagram given below and identify A and B .



A. A - posterior aorta , B - haemocoel

B. A - anterior aorta , B - ostia

C. A - anterior aorta, B - alary muscles

D. A - posterior aorta, B - sinuses

Answer: C



Watch Video Solution

45. With respect to the picture given below , which of the following methods will be implemented to obtain more progeny of the animal ?



A. Cross - breeding

B. Outcrossing

C. Interspecific hybridization

D. MOET

Answer: C



Watch Video Solution

46. Which of the following is not a medicinal plant of commercial use ?

A. Mulatthi

B. Rauwolfia

C. Belladonna

D. Indigofera

Answer: D



Watch Video Solution

47. Which one of the following conditions indicates Klinefelter's syndrome ?

A. $44 + XXY$

B. $44 + XO$

C. $44 + XY$

D. $44 + XX$

Answer: A



Watch Video Solution

48. In the process of treating sewage and industrial wastewaters using air and a biological floc, the sediment obtained is called

A. Activated sludge

B. Biogas

C. Bear

D. Wine

Answer: A



Watch Video Solution

49. Throughout the country , since October 2010, all 2 wheelers and 3 wheelers have to followand..... Respectively.

- A. Bharat stage III and IV
- B. Bharat stage IV and III
- C. Bharat stage II and III
- D. Bharat stage III and III

Answer: A



Watch Video Solution

50. Three basic steps are required for making GMO are :

- I. Identification of DNA with a desirable gene .
- II. Introduction of identified DNA into the host .
- III. Maintenance of introduced DNA to its progeny .

What is the correct sequence of involvement ?

A. $II \rightarrow I \rightarrow III$

B. $I \rightarrow III \rightarrow II$

C. $II \rightarrow III \rightarrow I$

D. $I \rightarrow II \rightarrow III$

Answer: D



Watch Video Solution

51. During gel electrophoresis , which chemical is used for visualized the fragmented DNA -

A. Ethylene bromide

B. NaBr

C. NaCl

D. Ethidium bromide

Answer: D



Watch Video Solution

52. Select the incorrect match .

	Column A	Column B
A.	Taq polymerase	Annealing of DNA

	Column A	Column B
B.	Chitinase	Obtaining DNA by lysis of fungal cell

	Column A	Column B
C.	Exonucleases	Remove nucleotides from the ends of DNA

	Column A	Column B
D.	DNA ligase	Joining the fragments of DNA

Answer: A



Watch Video Solution

53. Which of the following is not an invasive alien plant species in India ?

A. Parthenium

B. Eicchornia

C. Lantana

D. Clarias

Answer: D



Watch Video Solution

54. 190 countries pledged to achieve a significant reduction in the current rate of biodiversity loss at global levels by 2010 in on sustainable development held in 2002 in Johannesburg , South Africa

A. World summit

B. Earth summit

C. Kyoto protocol

D. Montreal protocol

Answer: A



Watch Video Solution

55. The amount of biomass or organic matter produced per unit area over a time period by the plants during photosynthesis is called

A. Primary productivity

B. Secondary productivity

C. Standing state

D. Standing crop

Answer: A



Watch Video Solution

56. Which of the following sets explains the abiotic components in a pond ecosystem ?

- A. Water with dissolved inorganic substances
- B. Water with dissolved inorganic and organic substances
- C. Water with dissolved inorganic and organic substances and also the soil at the bottom
- D. Water without any dissolved substances .

Answer: C



Watch Video Solution

57. Which of the following describes the function of the skin bag which encloses the testis ?

- A. It synthesises and secretes testicular hormones called androgens.
- B. It provides nutrition to be germ cells.

C. It maintains the low temperature of the testes necessary for spermatogenesis.

D. It is made up of special tissues that help in erection of the penis to facilitate insemination.

Answer: C



Watch Video Solution

58. To determine the type of organic compounds found in living organism, the living tissue is ground with the help of a mortar and a pestle in

A. Trichloroacetic acid

B. Trichloroamino acid

C. 2,4 - D

D. 2,4,5 -T

Answer: A



Watch Video Solution

59. What of the following polysaccharide is wrongly matched with its monomer ?

A. Glycogenh Glucose

B. Chitin N - Acetyl glucosamine (NAG)

C. Inulin Mannose

D.

Mucopolysaccharide Amino sugars and other chemically modified sugars

Answer: C



Watch Video Solution

60. MTP Act was passed by the Indian Government in

A. 1963

B. 1971

C. 1975

D. 1986

Answer: B



Watch Video Solution

61. An enzyme catalyses a reaction by activation energy of the reaction .

A. increasing

B. decreasing

C. First decreasing and then increasing .

D. First increasing and then decreasing

Answer: B



Watch Video Solution

62. Which of the following is the set of hormone-releasing IUDs ?

- A. Multiload 375,LNG -20
- B. Progestasert, LNG - 20
- C. Progestasert, Lippes loop
- D. LNG - 20 , Lippes loop .

Answer: B



Watch Video Solution

63. A monocarpellary or multicarpellary , the syncarpous ovary develops into only one fruit. Such fruit is termed as

- A. Simple fruit .
- B. Multiple fruit .
- C. Composite fruit.

D. aggregate fruit.

Answer: A



Watch Video Solution

64. Identify the placentation and select the options with suitable examples in which it is found ?



A. Primrose , Dianthus

B. Marigold , sunflower

C. Tomato, primrose

D. Pea, china rose.

Answer: A



Watch Video Solution

65. The outermost layer of endosperm in monocots made up to proteins is called

A. aleurone layer .

B. scutellum.

C. coleoptile.

D. coleorrhizae.

Answer: A



Watch Video Solution

66. According to Bergmann's rule ,the mammals from cold climate have

- A. larger body short extremities.
- B. larger body and extremities
- C. Shorter body and extremities
- D. Shorter body and larger extremities

Answer: A



Watch Video Solution

67. If a superior competitor is removed from the area , there is always an increased population of the otherwise exploited species ". Above given phenomenon is according to –

- A. Principal of competitive exclusion.
- B. Principal of resource partioning.
- C. Principal of competitive release.

D. More than one option is correct .

Answer: C



Watch Video Solution

68. Which treaty is related to the control of the emission of ozone-depleting substances (ODS) ?

- A. Montreal protocol (Canada) in 1987 and effective in 1989
- B. The air (prevention and control of pollution) act , 1981
- C. The environment (Protection) act , 1986
- D. Earth summit ,1992

Answer: A



Watch Video Solution

69. Eutrophication is often seen in

- A. deserts .
- B. fresh water lakes.
- C. ocean.
- D. mountains.

Answer: B



Watch Video Solution

70. T. W. Engelmann performed his experiments on which of the following ?

- A. Cladophora - a green algae .
- B. Cladophora - an aerobic .
- C. Chlorobium - a green algae .
- D. Chlorobium - an aerobic bacteria.

Answer: A



Watch Video Solution

71. If the light is made unavailable than the biosynthetic phase of photosynthesis

- A. Will immediately stop.
- B. Will stop after sometime .
- C. Will stop after few hours .
- D. Will have no effect and continue.

Answer: B



Watch Video Solution

72. Correctly identify the energy -yielding step of glycolysis .

A. 2 - phosphoglycerate to 2- phosphoenolpyruvate

B. Fructose 1,6 - bisphosphate to PGAL and DHAP

C. Fructose to fructose -6- phosphate

D. Phosphoenolpyruvic acid to pyruvic acid

Answer: D



Watch Video Solution

73. Select the correct statement about cellular respiration.

A. Most of the energy is liberate as heat.

B. Most of the energy is stored in the form of ADP.

C. All liberated energy is stored as ATP.

D. Most of the energy is Stored as heat.

Answer: A



Watch Video Solution

74. Which of the following curves corresponds to maximum growth ?

- A. Logistic curve
- B. Exponential curve
- C. Lag curve
- D. Stationary phase

Answer: A



Watch Video Solution

75. How many of the following auxins are synthetic ?

IAA, IBA, NAA , 2,4-D

- A. One
- B. Two
- C. Three

D. All

Answer: B



Watch Video Solution

76. Which Vitamin is added during curdling of milk ?

A. Vitamin A

B. Vitamin E

C. Vitamin B_1

D. Vitamin B_{12}

Answer: D



Watch Video Solution

77. During agarose gel electrophoresis , DNA moves

- A. towards anode , as it is negatively charged .
- B. towards anode , as it is positively charged .
- C. towards cathode ,as it is negatively charged .
- D. towards cathode ,as it is positively charged .

Answer: B



Watch Video Solution

78. A syndrome is characterized by the furrowed tongue , characteristics palm creases , mental retardation and short-statured with a small round head. It is due to the anomaly of which of the following chromosomes ?

- A. X
- B. Y
- C. 18th
- D. 21st

Answer: D



Watch Video Solution

79. Identify the number of Mendelian disorders from the given list .

Sickle cell, anaemia , Colour blindness , Thalassemia , Phenylketonuria ,
Cystic Fibrosis , Haemophilia,

A. Four

B. Six

C. Five

D. Three

Answer: B



Watch Video Solution

80. Select the correct statement.

- A. Tightly linked genes on the same chromosomes show higher recombination .
- B. Genes far apart on the same chromosome show very very few recombination
- C. Genes loosely linked on the same chromosomes show similar recombination as the tightly linked ones .
- D. Tightly linked genes on the same chromosome show very few recombination

Answer: D



Watch Video Solution

81. Which set of cells in our body exhibit amoeboid movement ?

- A. RBC but not lymphocytes
- B. RBC and not lymphocytes

C. Macrophages but not leucocytes

D. Leucocytes and macrophages

Answer: D



Watch Video Solution

82. Fertilized embryo sac is shown in the diagram P and Q are results ofand , respectively .

A. double Fertilization , syngamy

B. triple fusion , syngamy

C. syngamy , parthenocarpy

D. syngamy , triple fusion

Answer: D



Watch Video Solution

83. Which of the following is a fibrous protein?

- A. Saddle joint
- B. Sutures joint
- C. Ball and socket joint
- D. Hinge joint

Answer: B



Watch Video Solution

84. Which of the following plant can be propagated by leaf and bulbils respectively ?

- A. Bryophyllum, Agave
- B. Citrus , Ginger
- C. Bougainvillea , potato
- D. potato, Bryophyllum

Answer: A



Watch Video Solution

85. Identify the gland in which two lobes are interconnected with thin flap of connective tissue .

- A. Hypothalamus
- B. Parathyroid gland
- C. Thyroid gland
- D. Pineal gland

Answer: C



Watch Video Solution

86. Find the odd one out about sickle - cell anemia

- A. It is an example of point mutation.
- B. Glutamate is replaced by valine .
- C. Change occurs in single base pair in gene for globulin chain.
- D. It is an example of allosomal recessive mutation.

Answer: D



Watch Video Solution

87. Zone glomerulosa is the region of which of the following gland?

- A. Adrenal gland
- B. Pituitary gland
- C. Hypothalamus
- D. Testis

Answer: A



Watch Video Solution

88. In garden pea , starch synthesis is regulated by B and b alleles . Bb genotype produces :

- A. Large sized round seeds.
- B. Small sized wrinkled seeds.
- C. Intermediate sized round seeds.
- D. Large sized wrinkled seeds

Answer: C



Watch Video Solution

89. Which of the following tissue is possessed by a blue whale which lies beneath the skin and helps during hibernation ?

- A. Adipose connective tissue
- B. Mineralized connective tissue

C. Dense fibrous connective tissue

D. Areolar connective tissue

Answer: A



Watch Video Solution

90. Select the incorrect statement about nucleolus .

A. It is membrane-less cell organelle.

B. It is active site for m-RNA synthesis .

C. These may be more than 1 in cells which are involved in active protein synthesis .

D. Found in nucleus .

Answer: B



Watch Video Solution

