# ©゙’doubtnut 

India's Number 1 Education App

## BIOLOGY

## BOOKS - NTA MOCK TESTS

## NTA NEET SET 37

## Biology

1. Which of the following pairs is incorrect matched
?
A. Genetic code - unambiguous
B. Okazaki fragments - Splicing
C. RNA polymerase - RNA primer
D. Restriction enzymes - Genetic engineering

## Answer: B

## - Watch Video Solution

2. Cornea transplantation is outstandingly
successful because
A. Cornea is easy to preserve
B. Cornea is not linked up with blood vascular and immune systems
C. The technique involved is very simple
D. Cornea is easily available

## Answer: B

## - Watch Video Solution

3. Neo-Darwinism is
A. natural selection theory
B. modern mutation theory

# C. modern synthetic theory 

D. Population theory

## Answer: C

## - Watch Video Solution

4. Substances which originate at the tip of the stem and control growth elsewhere are
A. Food material
B. Auxins or hormones
C. Vitamins

## D. Enzymes

## Answer: B

## - Watch Video Solution

5. Which one of the following floral formula represents the mustard plant ?
A. ${ }^{\oplus}{ }^{\circ} \mathrm{P}_{3+3} \mathrm{C}_{4} \mathrm{~A}_{3+3} \underline{\mathrm{G}(3)} P_{3+3} C_{4} A_{3+3} \underline{G}(3)$
B. $K_{5} C_{5} A_{5} \underline{G}(2)$
C. ${ }^{\%}{ }^{\circ} \mathrm{K}_{69} \mathrm{G}_{12+(9)} \mathrm{A}_{(9+1}{ }^{\mathrm{G} 1} K_{5} C_{1+2+(2)} A_{(9)+1} \underline{G} 1$
D. $\oplus \mathscr{q}^{K} \mathrm{~K}_{2+2} \mathrm{C}_{4} \mathrm{~A}_{2+4} \underline{\mathrm{G}(2)} K_{2+2} C_{4} A_{2+4} \underline{G(2)}$

## Answer: D

## - Watch Video Solution

6. Which of the following is not a cell inclusion ?
A. granule
B. Glycocalyx
C. Pigment
D. Vacuole

Answer: B
7. A linear graphic representation of the sequence and relative distances of the various genes present in a chromosome is
A. linkage map or chromosomal map
B. genetic map or linkage map
C. chromosomal map or genetic map
D. chromosomal map or genetic map or linkage map

Answer: D
8. The two statements I and II are regarding cell theory. Identify the statements that were given by which of the following scientists ?
I. The bodies of animals and plants are composed of cells and products of cells .
II. All cells from pre - existing cells.
I
II
A.
Schleiden and Schwann Rudolf Vichow
$I \quad I I$
B.
Rudolf Vichow Schleiden and Schwann
C. $\begin{aligned} & I \\ & I I\end{aligned}$
Robert Brown Schleiden and Schwann
D. $\begin{array}{ll}I & I I \\ \text { Robert Brown } & \text { Robert Hooke }\end{array}$

## Answer: A

## D Watch Video Solution

9. Sclerenchyma are
A. dead and with protoplasts
B. dead and without protoplasts
C. living and without protoplasts
D. living, with protoplasts

Answer: B

# 10. Vascular bundles of roots are 

A. Conjoint
B. Concentric
C. Bicollateral
D. Radial

Answer: D

- Watch Video Solution

11. Identify the process taking place in this experiment.

A. Ringing experiment for translocation of sap
B. Demonstration of root pressure Eosin test to demonstrate ascent of sap
C. Eosin test to demonstrate ascent of sap
D. Demonstration of transpiration

## Answer: A

## - Watch Video Solution

12. Choose the correctly matched pair :
A. Inner lining of salivary ducts - Ciliated
epithelium
B. Most surface of buckle cavity - Glandular
C. Tubular parts of nephrons - Cuboidal epithelium
D. Inner surface of bronchioles - Squamous epithelium

## Answer: C

## - Watch Video Solution

13. Expressed Sequence Tags (ESTs) refers to :
A. the sequences that are synthesized from the
B. polypeptide expression
C. DNA Polymorphism
D. the novel DNA sequences

## Answer: A

## - Watch Video Solution

14. Identify the cell division events happening in
these mammalian cells.

A. a-Meiotic metaphase I , b-Mitotic Anaphase,
c - Meiotic Anaphase II
B. a-Meiotic metaphase, b-Mitotic Anaphase , c

- Meiotic Anaphase II
C. a - Meiotic metaphase , b-Mitotic Anaphase , c
- Meiotic Anaphase I
D. a - Meiotic metaphase II , b-Mitotic Anaphase

I , c - Meiotic Anaphase II

Answer: A
15. In the Calvin cycle for the fixation of molecules of
$\mathrm{CO}_{2}$ how many ATP and NADPH are required in the reduction step?
A. 18 ATP and 12 NADPH
B. 15 ATP and 10 NADPH
C. 10 ATP and 10 NADPH
D. 3 ATP and 2 NADPH

Answer: C

## D Watch Video Solution

## 16. Cervical vertebrae are located in

A. Thoracic region
B. Abdominal region
C. Neck region
D. Lumber region

## Answer: C

## - Watch Video Solution

17. Statement I: National parks are meant for the welfare of the wild life.

Statement II : National parks are controlled by state Governments .
A. Both the statements are wrong
B. Both the statements are right
C. Statement I is right and statement II is wrong
D. Statement II is right and statement II is wrong

## Answer: B

## - Watch Video Solution

18. Heroin is obtained from which plant family ?
A. Leguminosae
B. Papaveraceae
C. Liliaceae
D. Solanaceae

## Answer: B

## - Watch Video Solution

19. Perigynous flowers and diadelphous condition are found in the family ?
A. Papilionaceae
B. Caesalpinoidae
C. Mimosoidae
D. Solanaceae

## Answer: A

## - Watch Video Solution

20. Which type of forests has become net carbon emitters ?
A. Deciduous
B. Tropical
C. Coniferous
D. Grasslands

Answer: B

## - Watch Video Solution

21. In a fully turgid cells, the values of DPD,OP and TP will be
A. $\mathrm{DPD}=10 \mathrm{~atm}, \mathrm{OP}=15 \mathrm{~atm}, \mathrm{TP}=5 \mathrm{~atm}$
B. $\mathrm{DPD}=5 \mathrm{~atm}, \mathrm{OP}=12 \mathrm{~atm}, \mathrm{TP}=7 \mathrm{~atm}$
C. $\mathrm{DPD}=2 \mathrm{~atm}, \mathrm{OP}=7 \mathrm{~atm}, \mathrm{TP}=5 \mathrm{~atm}$
D. $\mathrm{DPD}=0 \mathrm{~atm}, \mathrm{OP}=15 \mathrm{~atm}, \mathrm{TP}=15 \mathrm{~atm}$

## Answer: D

## - Watch Video Solution

22. If you squeeze a seed of orange you might observe many embryos of different sizes. It is because of :
A. Polyembryony
B. Apomixis
C. Pollination

## D. Parthenocarpy

## Answer: A

## - Watch Video Solution

23. The tertiary structure of proteins can be destroyed by
A. High energy radiations
B. High temperature
C. Drastic changes in pH
D. All of these

## Answer: D

## D Watch Video Solution

24. Cell junctions called tight, adhering and gap
junctions are found in
A. Muscular tissue
B. Connective tissue
C. Epithelial tissue
D. Neural tissue
25. Skin sores become skin ulcers during
A. African sleeping sickness
B. Amoebic dysentery
C. Kala - azar fever
D. Chaga's disease

Answer: C

- Watch Video Solution


## 26. The study of communities of various genera and

 species is calledA. community ecology
B. synecology
C. autecology
D. Both (a) and (b)

## Answer: D

- Watch Video Solution

27. The genes controlling seven traits in pea studied by Mendel were later found to be located on following number of chromosomes
A. Seven
B. Four
C. Five
D. Six

## Answer: B

28. Pheretima and its close relatives derive nourishment from
A. sugarcane roots
B. decaying fallen leaves and soil organic matter
C. soil insects
D. small pieces of fresh fallen leaves of maize, etc.,

Answer: B
29. During glycolysis in cytoplasm, the decarboxylation reactions
A. are not observed
B. occurs twice
C. occurs once
D. occurs in all the ten steps

Answer: A

- Watch Video Solution

30. When placenta forms a ridge along the ventral suture of the ovary and the ovules are borne on this
ridge forming two rows, the placentation is termed as
A. the parietal placentation
B. the basal placentation
C. the marginal placentation
D. the axial placentation

## Answer: C

31. Gene and cistron words are sometimes used synonymously because -
A. One cistron contains many genes
B. One gene contains many cistrons
C. One gene contains one cistron
D. One gene contains no cistron

Answer: C

## - Watch Video Solution

32. Which of the following statements is not true for retroviruses
A. DNA is not present at any stage in the life
cycle of retroviruses
B. Retroviruses carry gene for RNA - dependent

DNA polymerase
C. The genetic material in mature retroviruses is

RNA
D. Retroviruses are causative agents for certain kinds of cancer in man

## Answer: A

## - Watch Video Solution

33. How many times meiosis will take place for the formation of 80 wheat grains ?
A. 100
B. 80
C. 40
D. 99

Answer: A
34. Which of the following secrets leutenizing hormone
A. Adenohypophysis
B. Corpus luteum
C. Neurohypophysis
D. Pars nervosa

Answer: A
35. Which one of the following strongly threatens biodiversity?

# A. Destruction of natural habitats and 

vegetation and shifting cultivation
B. Inaccessible habitats in the Himalayas
C. Fragile ecosystems such as mangroves and wetland
D. Creation of biosphere reserves

Answer: A

## 36. The action of jelly and Cream in compilation is :

A. Spermicidal and immobilizing the sperms also
B. Entangles the sperms
C. Preventing the ova to be released
D. Entangles the sperms to reach towards ovum speedly

Answer: A

- Watch Video Solution

37. Which of the following statements is right ?
A. Fronds are found in bryophytes.
B. Multiciliate sperms are found in angiosperms.
C. Diatoms produce basidiospores.
D. Heterocysts are found in Nostoc.

## Answer: D

## - Watch Video Solution

38. A few statements are made about the characteristics of prokaryotic and eukaryotic cells.

Mark the correct statement .
A. All prokaryotes lack nuclear envelope but nuclear envelope is present in mitochondria of eukaryotes.
B. All eukaryotes have a cell wall surrounding the
cell membrane but cell wall is absent in mycoplasma.
C. All eukaryotic cells are identical but all prokaryotic cells are not identical.
D. Most of the eukaryotic chromosomes are associated with histone protein but the
genome of chloroplast lack histones.

## Answer: D

## - Watch Video Solution

39. Single cell protein can be useful in all, except
A. Reducing environmental pollution
B. Decreasing pressure on agriculture
C. Preventing shift from meat to grain as diet by human beings
D. Being acceptable as food in future

## Answer: C

## - Watch Video Solution

40. Which of the following is not an important step in the event of parturition?
A. High levels of estrogen, prostaglandins and oxytocin cause the smooth muscles of the
uterus to contract.
B. The estrogen/ Progesterone ratio increase .
C. Increase in oxytocin levels due to the positive feedback effect.
D. Release of prolactin.

## Answer: D

## - Watch Video Solution

41. Based on the Hatch and slack pathway, which of
the following compounds are found in mesophylls and bundle sheath cells, respectively ?
A. PEPcase , RuBisCO
B. PEP, ATPase
C. RuBisCo, PEPcase
D. PEP, RuBisCO

## Answer: D

## - Watch Video Solution

42. Auxin was first isolated from
A. Human urine
B. Human sweat
C. Apical shoots of plants

## D. Flowers of pineapples

## Answer: A

## - Watch Video Solution

43. A common biocontrol agent for the control of plant disease
A. Baculovirus
B. Bacillus thuringiensis
C. Glomus
D. Trichoderma

## Answer: D

## - Watch Video Solution

44. Which of the following is the function of lymph?
A. Transport oxygen to brain
B. Transport carbon dioxide to lungs
C. Return interstitial fluid back to the heart
D. Contain RBC, leukocytes and more proteins as
compared

## - Watch Video Solution

45. Which of the following has been recently used for increasing productivity of super milch cow
A. Artificial insemination by a pedigree bull only
B. Superovulation of a high production cow only
C. Embryo transplantation only
D.A combination of superovulation artificial insemination and embryo transplantation into a carrier cow (surrogate mother).

## Answer: D

## - Watch Video Solution

46. Which of the following is not the function of androgen in males ?
A. Stimulate muscular growth, growth of facial and axillary hair

B. Influence libido

C. Produce catabolic effect on protein and
carbohydrate metabolism
D. Stimulate aggressiveness and low pitch of voice

## Answer: C

## - Watch Video Solution

47. Which of the following ratio is correct regarding dehydrogenation : decarboxylation : substrate level phosphorylation steps in the TCA cycle?
A. 1:1:2
B. 3:2:1
C. $4: 3: 1$
D. $4: 2: 1$

## Answer: D

## - Watch Video Solution

48. Which of the following is the correct sequence in
the food chain?
A. Fallen leaves $\rightarrow$ bacteria $\rightarrow$ insect larvae
$\rightarrow$ birds
B. Phytoplankton $\rightarrow$ zooplankton $\rightarrow$ fish
C. Grasses $\rightarrow$ fox $\rightarrow$ rabbit

D. Grasses $\rightarrow$ chameleon $\rightarrow$ insects $\rightarrow$ birds

## Answer: B

## - Watch Video Solution

49. Respiratory climactic is brought about by which of the following hormones ?
A. Auxin
B. Gibberellins
C. Ethylene

## D. Cytokinin

Answer: C

## - Watch Video Solution

50. Given below is a representation of a kind of chromosomal mutation. What kind of mutation is represented?

A. Deletion

B. Duplication

C. Inversion
D. Reciprocal translocation

## Answer: C

## - Watch Video Solution

51. Haemophilia is more commonly seen in human males than in human females because
A. A greater proportion of girls die in infancy
B. This disease is due to $Y$ - linked recessive mutation.
C. This disease is due to $X$ - linked recessive mutation.
D. This disease is due to X - linked dominant mutation.

## Answer: C

## - Watch Video Solution

52. Which of the following is not true for a species?
A. The species is the principal natural taxonomic unit , ranking above the genus.
B. Gene flow does not occur between the populations of a species.
C. Each species is reproductively isolated from every other species.
D. Variations occur among members of a species.

## Answer: B

## - Watch Video Solution

53. Select the correct set from the following statements with respect to the salient features of the human genome.
i. The human genome contains 3164.7 billion nucleotides.
ii. The function is unknown for over 50 \% of the discovered gene.
iii. Less than $20 \%$ of the genome code for Proteins.
iv chromosomes -1 has the most genes (2968) and $y$
has the fewest (231).

V . The total number of genes estimated is 30,000.
A. ii , iv , v
B. i,ii,iv
C. i,iii,v
D. i,iv,v

## Answer: A

## - Watch Video Solution

54. The nitrogen - fixing bacteria Rhizobium is
in nature.
A. chemoautotrophic
B. photoautotrophic
C. chemosynthetic
D. heterotrophic

Answer: D

## - Watch Video Solution

55. Consider the following four statements whether they are correct or wrong.
(A) The sporophyte in liverworts is more elaborate than that in mosses.
(B) Salvinia is heterosporous.
(C ) The life cycle in all seed-bearing plants is diplontic.
(D) In Pinus, male and female cones are borne on different trees.

The two wrong statements together are
B. Statements (A) and (B)
C. Statements (A) and (D)
D. Statements (B) and (C)

## Answer: C

## - Watch Video Solution

56. Which of the following is not a helminth ?
A. Trypanosoma
B. Taenia
C. Ascaris

## D. Wucheria

## Answer: A

## - Watch Video Solution

57. In a cross in Drosophila , the heterozygous member with grey body $\left(b^{+}\right)$and long wings $\left(v g^{+}\right)$was crossed with had the following ratio grey vestigial 24 : grey long 126: black long 26 : black vestigial 124 . What is the frequency of recombinant in the population?
A. $15.8 \%$
B. $16.7 \%$
C. $17.5 \%$
D. $14.5 \%$

Answer: B

## D Watch Video Solution

58. Which one of the following figures represents
the placentation on primrose?
A.



Answer: B

- Watch Video Solution

59. Which of the following statements are correct regarding muscle proteins ?
(i) Actin is a thin filament and is mde up to two Factin
(ii) The complex protein, tropomyosin is distributed at regular intervals on the troponin
(iii) Myosin is a thick filament which is also a polymerised protein.
(iv) The globular head of meromyosin consists of
light meromyosin (LMM).
A. (i), (ii) and (iii) are correct
B. (i) , (ii) and (iv) are correct
C. (i) and (iii) are correct
D. (ii) and (iv) are correct

## Answer: C

## - Watch Video Solution

60. Which of the following is the correct statement
for respiration in human ?
A. Cigarette smoking may lead to inflammation of bronchi
B. Neural signals from pneumotaxic centre in
pons region of brain can increase the duration of inspiration
C. Workers in paper making industries may suffer
from lung fibrosis
D. About $90 \%$ of carbon dioxide $\left(\mathrm{CO}_{2}\right)$ is carried by hemoglobin as carbamino hemoglobin

Answer: A

## - Watch Video Solution

61. In flowering plants, double fertilization and triple
fusion is a unique phenomenon. For a given plant, during the study of the endosperm, it was found that it has 24 chromosomes. What will the number of chromosomes in microspore mother cells be?
A. 12
B. 48
C. 16
D. 24

## Answer: C

- Watch Video Solution

62. ATP is usually referred to as the energy currency of a cell. It is chemically.......(A)....... and the set of elements............(B)........... forms its structure.
A.
(A)
(B)

Nucleoside
$\mathrm{C}, \mathrm{H}, \mathrm{O}, \mathrm{N}$, and P
( $A$ )
(B)
B.

Vitamin derivative
C,H,O,N, and P
(A)
(B)
C.

Nucleotide $\mathrm{C}, \mathrm{H}, \mathrm{O}, \mathrm{N}$, and P
D.
(A)

Vitamin derivative
(B)
$\mathrm{C}, \mathrm{H}, \mathrm{O}, \mathrm{S}$, and P

## Answer: C

- Watch Video Solution

63. The structural adaptions observed in placental mice, in North America, are very similar in appearance to marsupial mice in Australia. It is an example of
A. Divergent evolution
B. Parallel evolution
C. Homology
D. Analogy

Answer: B

- Watch Video Solution

64. The eighth cranial nerve is
A. Optic - Sensory nerve
B. Auditory - Motor nerve
C. Optic - Motor nerve
D. Auditory - Sensory nerve

Answer: D

- Watch Video Solution

65. Identify A and B .

(i) - Tetanus Toxoid
(ii) - Anti-tetanus serum
(iii) - Diphtheria, pertussis, and tetanus vaccine
(iv) - Antitoxin diphtheria serum
(v) - Bacillus Chalmette-Guerin (BCG) vaccine

## A. $\quad B$

A.
(i),(iii),(iv) (ii),(v)

B $B$
(i),(ii),(v) (iii),(iv)
A
B
C. ${ }_{(i),(i i),(v)}$
(i),(iv)
A B
D. $(\mathrm{i}),(\mathrm{ii}),(\mathrm{v})$
(ii),(iv)

## Answer: D

## - Watch Video Solution

66. According to 2011 census, Indian population was:
A. 1.2 million
B. 84 million
C. 1200 million
D. 102.7 million

## Answer: C

## - Watch Video Solution

67. When we ligate a foreign DNA at the $\mathrm{sa} / \mathrm{I}$ site of
pBR322, the ...............plasmid will lose tetracycline resistance due to the insertion of foreign DNA but
can still be selected out from .....b..... ones by plating
the .............. on ampicillin containing medium.
A. $\mathrm{A}=$ Non - recombinant, $\mathrm{B}=$ Recombinant, $\mathrm{C}=$

Transgormant
B. $A=$ Recombinant,$B=$ Non - recombinant, $C=$

Transgormant
C. A = Transgormant , B = Non - recombinant, C
=Recombinant ,
D. $\mathrm{A}=$ Recombinant, $\mathrm{B}=$ Transgormant $\mathrm{C}=$ Non -
recombinant,

Answer: B

## - Watch Video Solution

68. Which of the following is incorrect about the transport of gases by blood?
A. The oxygen dissociation curve is sigmoid and shifts to the right at high $\mathrm{PCO}_{2}$, and low pH .
B. Every 100 ml of oxygenated blood can deliver
around 5 ml of $O_{2}$ to the tissues under normal
physiological conditions.
C. The major factor affecting the formation of
carbamino - hemoglobin is low $H^{+}$
concentration.

# D. Approximately $70 \%$ of carbon dioxide is 

## carried as bicarbonates

## Answer: C

## - Watch Video Solution

69. The iodine derivative of amino acid tyrosine brings about effects on target cells by
A. Altering gene expression
B. Activating secondary messengers
C. Activating membrane - bound receptors

## D. More than one option is correct

## Answer: A

## - Watch Video Solution

70. Which one of the following is correct?
A. Blood = Serum + Formed elements + Clotting
factors
B. Lymph = Blood plasma + Lymphocytes
C. Serum = Blood + Clotting factors
D. Plasma $=$ Serum - Clotting factors

## Answer: A

## - Watch Video Solution

71. Shark is
A. Oviparous
B. Viviparous
C. Ovoviviparous
D. Both (A) and (C)

Answer: C
72. RER synthesises a plams -membrane protein.

Membrane protein becomes slightly different while passing through another cell organelle. Identify the organelle in the given diagram

A. D
B. A
C. B
D. C

## Answer: A

## - Watch Video Solution

73. Which of the following is incorrectly matched ?
A. Alpha diversity - Number of species in a given
habitat
B. Genetic diversity - Variation of genes within
species
C. Beta diversity - Diversity of habitat in the whole region
D. Species diversity - The product of species richness and evenness

Answer: C

## - Watch Video Solution

74. Match the following .

Column-I (Mineral)
a. $K$
b. $\quad Z n$
c. $\quad M g$
d. $M n$
(i) Water splitting
(ii) Energy metabolism
(iii) Auxin synthesis
(iv) Stomatal movement
A. a (iv), b (iii) , c (i) , d (ii)
B. a (iv) , b (iii) , c (ii) , d (i)
C. a (i) , b (ii) , c (iii) , d (iv)
D. $a$ (i) , b (ii) , c (iv) , d (iii)

## Answer: B

## 75. Which of the following characteristics is mainly

 responsible for diversification of insects on land?A. Segmentation
B. Bilateral symmetry
C. Exoskeleton
D. Eyes

Answer: C
76. Identify the likely organisms (1), (2), (3) and (4) in the food web shown below.

A.
(1) (2) (3) (4)
(a) Deer Rabbit Frog Rat
(1) (2) (3) (4)
B.
(b) Dog squirrel Bat Deer
(1) (2) (3)
(4)
C. (c) Rat Dog Tortoise Crow (1) (2) (3) (4)
D. $(d)$ squirrel Cat Rat pigeon

## Answer: A

## - Watch Video Solution

77. Which of the following statements regarding species interdependence are true?
78. An association of two species where one is benefited and other remains unaffected is called mutualism.
79. An interspecific association where both partners derive from each other is called commensalism.
80. A direct food relation between two species of
animals in which one animals kills and feeds on
another is referred as predation.
81. A relationship between two species of organism where both the partners are benefited from each other is called symbiosis.
A. I and II only B. III and IV only
C. I and III only
D. II and III only

Answer: B

- Watch Video Solution

78. A lake near a village suffered heavy mortality of fishes within a few days Consider the following reasons for this?
(a) Lots of urea and phosphate fertilizers were used in the crops in the vicinity.
(b) The area was sprayed with DDT by an aircraft.
(c) The lake water turned green and stinky.
(d) Phytoplankton population in the lake declined initially thereby greatly reducing photosynthesis.

Which two of the above were the main causes of fish mortality in the lake?
A. b and c
B. $c$ and d
C. a and c
D. $a$ and $b$

## Answer: C

## D Watch Video Solution

79. Which of the following blocks the entry of additional sperm, once a single sperm cell encounters ova?
A. Corpus luteum
B. Plasma membrane
C. Corona radiata
D. Zona pellucida

## Answer: D

## - Watch Video Solution

80. Assertion : The honey bee queen copulates only once in her life time.

Reason : The honey bee queen can lay fertilized as
well as unfertilized eggs.
A. Only statement - I is correct
B. Only statement - II is correct
C. Both statements are correct.
D. Both statements are incorrect.

## Answer: C

## D Watch Video Solution

81. How does carbon monoxide, a poisonous gas
emitted by automobiles, prevent the transport of oxygen into the body tissues?
A. By destroying the haemoglobin
B. By forming a stable compound with
haemoglobin
C. By obstructing the reaction of oxygen with haemoglobin
D. By changing oxygen into carbon dioxide.

## Answer: B

## - Watch Video Solution

82. During urine formation, which of the following process helps in maintaining osmotic pressure in the uriniferous tubule?
A. Active $N a^{+}$absorption , followed by absorption of $\mathrm{Cl}^{-}$
B. Active $\mathrm{Cl}^{+}$absorption , followed by absorption of $\mathrm{Na}{ }^{+}$
C. Active secretion of $\mathrm{Na}^{+}$into efferent arteriole followed by absorption of $\mathrm{Cl}^{-}$into efferent renal arteriole
D. Active secretion of $\mathrm{Cl}^{-}$and absorption of
$N^{+} a$ into efferent renal arteriole

Answer: A
83. Vasopressin is produced and secreted by

Produced secreted
A.

Hypothalamus Hypothalamus
Produced secreted
B.

Neurohpophysis Hypothalamus
Produced secreted
C.

Hypothalamus Neurohpophysis
Produced secreted
D.

Neurohpophysis Neurohpophysis

## Answer: C

## - Watch Video Solution

84. A dicotyledonous plant bears flowers but never produces fruits and seeds. The most probable cause for the above situation is
A. Plant is dioecious and bears only pistillate
flowers.
B. Plant is dioecious and bears both pistillate and staminate flowers
C. Plant is monoecious
D. A plant is dioecious and bears only staminate

## Answer: D

## D Watch Video Solution

85. Release of pancreatic juice is stimulated by
A. Gastrin
B. Secretin
C. Enterogastrone
D. Cholecystokinin

Answer: D
86. Assertion : Sponges do not show any animal nature.

Reason: Sponges are sessile with no apparent way of capturing food or eliminating water
A. Both statements are correct
B. Both statements are incorrect
C. Only statement - I is correct
D. Only statement - II is correct

## Answer: D

87. In bacteria, the wavelength of light that is required to carry out photosynthesis is

A. Ultraviolet light

B. Blue
C. Red
D. Far red

Answer: D

## D <br> Watch Video Solution

88. The main objective of the use of herbicide resistant GM crops is to
A. Eliminate weeds from the field without the use of manual labour
B. Eliminate weeds from the field without the use
of herbicides
C. Encourage eco - friendly herbicides
D. Reduce herbicide accumulation in food for health safety
89. Match the items in colour I with items in column

II and choose the correct option.

Column-I
Column-II
(A) Triglyceride
(1) Animal hormones
(B) Membrane lipid
(C) Steroid
(D) Wax
(2) Feathers and leaves
(3) Phospholipids
(4) Fat stored in the form
$A \quad B \quad C \quad D$
A.
$\begin{array}{llll}4 & 3 & 1 & 2\end{array}$
$\begin{array}{llll}A & B & C & D\end{array}$
B.
$\begin{array}{llll}2 & 3 & 4 & 1\end{array}$
$\begin{array}{llll}A & B & C & D\end{array}$
C.
$\begin{array}{llll}3 & 4 & 1 & 2\end{array}$
ค. $\begin{array}{llll}A & B & C & D\end{array}$
$\begin{array}{llll}4 & 1 & 2 & 3\end{array}$

## Answer: A

## D Watch Video Solution

90. Zygospore is formed from

A. Gametangial copulation
B. Gametic union
C. Zygote
D. Oogamy

Answer: A
$\square$

