

BIOLOGY

BOOKS - NTA MOCK TESTS

NEET MOCK TEST 18

Biology

- 1. Asexual reproduction in sponges occurs by
 - A. Parthenogenesis
 - B. Budding
 - C. Fragmentation
 - D. Spores

Answer: C



March veda a calcutan

watch video Solution

- **2.** The development of male gametophyte in angiosperms is
 - A. Partly in-situ in anther and partly ex-situ on stigma.
 - B. Fully in-situ in anther
 - C. Fully Ex-situ on stigma
 - D. In-vitro only

Answer: A



Watch Video Solution

- **3.** Which of the following is the correct description of follicular phase of menstrual cycle?
 - A. Primary follicles in the ovary grow to become a fully mature

Graafian follicle and simultaneously and endometrium of uterus

regenerates through proliferation.

B. The corpus luteum secretes large amounts of progesterone which is essential for maintenance of the endometrium

C. Both LH and FSH attain a peak level about 10^{th} day leading to rupture of Graafin follicle.

D. These change in the ovary and the uterus and induced by changes in the levels of adrenal gland.

Answer: A



4. A total of 512 seeds are collected from the cross between $AaBb \times AaBb$. Find the number of plants produced with the genotype Aabb and Aabb.

A. 35

B. 350

C.	96
D.	285

Answer: C



Watch Video Solution

- 5. Modern Homo sapiens arose during ice age between
 - A. 15,000 5000 years ago
 - B. 5 million years ago
 - C. 15 million years ago
 - D. 75,000 10,000 years ago

Answer: D



6. A. The conditions primitive on earth (before the origin of life) were : low temperature, volcanic storms, reducing atmosphere containing $Ch_4,\,NH_3,\,$ etc.

B. Cheetah and humans share similarities in the pattern of bones of forelimbs.

C. In a collection of moths made in the 1850s i.e., before industrialization set in, it was observed that there were more dark-winged moths on trees than white-winged moths.

D. Branching descent and natural selection are the two key concepts of Darwinian theory of evolution.

E. The Neanderthal man with a brain size of 1400 cc lived in east and central Asia 25,000-10,000 years ago.

Which set of given statements are correct?

A. A , B, E

B. B,D

C. A,C,E

D. B,C,D

Answer: B



Watch Video Solution

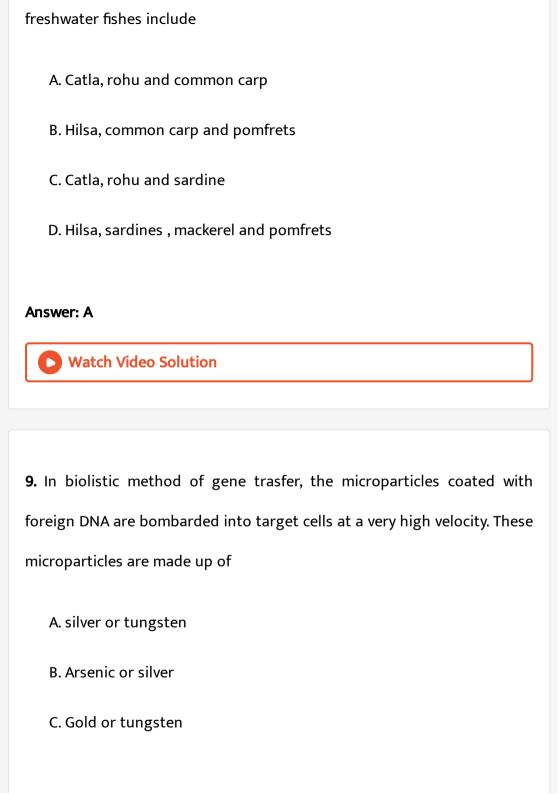
- 7. Select the incorrect information given regarding ascariasis.
 - A. Common name of causative agent: Round worm
 - B. Organ in which adult pathogen is found-Colon
 - C. Symptoms: Internal bleeding, musulur pain, fever anemia and blockage of the intestinal passage.
 - D. Mode of infection: Contaminated soil, water and plants.

Answer: B



Watch Video Solution

8. Fishery is an industry devoted to the catching, processing or selling of fish, shellfish or other aquatic animals. Some of the very common



D. None of these	
nswer: C	
Watch Video Solution	
The number of death and birth in the last stage of signaid growth	
D. The number of death and birth in the last stage of sigmoid growth	

10. The number of death and birth in the last stage of sigmoid growth curve of a population will be

- A. Similar to lag phase
- B. Unequal with more deaths
- C. Unequal with less deaths
- D. Equal

Answer: D



11. Which of the following is correct regarding the ecosystem?A. There is cyclic exchange of materials between living beings and environment.B. The flow of energy is unidirectionalC. It is a self-regulating unit

Answer: D

D. All of these



- 12. Select the incorrect match from the following:
 - A. Musca domestica: Diptera (Order)
 - B. Mangifera indica: Anacardiaceae (Family)
 - C. Solanum melogena:Polymoniales (Order)

D. Panthera tigris-Canidae(Family)	
Answer: D	
Watch Video Solution	
42 MI : 1	
13. Which one of the following statements about viruses is correct?	
A. Viruses posses their own metabolic system	
B. Viruses contain either DNA or RNA	
C. Viruses are facultative parasites	
D. Viruses are readily killed by antibodies	
Answer: B	
Watch Video Solution	
14. Excretory system is absent in	

B. Mollusca
C. Annelids
D. Arthropods

Answer: A

Watch Video Solution

A. Echinodermata

15. In the given table, each phylum is paired with a set of characters. Select the option with an incorrect set of information about the given phyla of animals.

I.	P - Radula for feeding; Q - Water	
Echinodermata	ermatavascular system	
II. Aschelminthes	R - Complete alimentary canal with muscular pharynx; S - Internal fertilization	
	T - Internal fertilization; U - Sexual reproduction only	

A. R,S,T B. P,T C. P,S,T D. P,Q,U **Answer: B Watch Video Solution** 16. In cymose inflorescence A. Main axis terminates in a flower B. Main axis is of indefinite growth C. Flower are borne in basipetal order D. Both [a] and [c] **Answer: D** Watch Video Solution

17. As a tree grows very old, which of the following increases more rapidly in thickness?

- A. Cortex
- B. Heartwood
- C. Phloem
- D. Pericycle

Answer: B



Watch Video Solution

18. The transverse section of a plant material shows the following anatomical features, (a) the vascular bundles are conjoint, scattered and surrounded by clerenchymatous undle sheaths (b) phloem parenchyma is absent. What will you identify it as?

A. Dicot stem
B. Monocot stem
C. Dicot root
D. Monocot root
Answer: B Watch Video Solution
19. Periplaneta americana is a very common species of cockroach. It is
A. Ureotelic
B. Uricotelic
C. Ammonotelic
D. Guanotelic
Answer: B
Watch Video Solution

20. Read the following statements.
A. Cartilage is present in between atlas and axis.
B. In epithelium, cells are compactly arranged with the little intercellular
matrix.
C. The simple epithemlium consists of a two or more layer of cells.
How many of the above statement are incorrect ?
A. None

B. One

C. Two

D. All

Answer: C

21. Which of the following cell organelles are involved in the manufacturing of various substances?

A. Lysosome, Vacuole, Ribosome

B. Ribosomes, RER, SER

C. Vacuole, RER, SER

D. SER, Ribosome, Centriole

Answer: B



Watch Video Solution

22. Select the incorrect statement.

A. Lipid are insoluble in water

B. Glycerol is trihydoxy propane

C. Lecithin is a glycoprotein

D. Adenosine is a nucleoside

Answer: C



Watch Video Solution

23. The X-shaped structures formed during the largest stage of meiosis-lare called

- A. Bivalent
- B. Chiasmata
- C. Cross-overs
- D. More than one option is correct

Answer: B



Watch Video Solution

24. Transpiration has more than one purpose. Which of the following is not the purpose of transpiration?

- A. Creates transpiration pull for absorption and transport in plants.
- B. Cools leaf surfaces by evaporative cooling
 - C. Transports minerals from the soil to all parts of the plant.
- D. Gives high tensile strength to water column present in xylem.

Answer: D

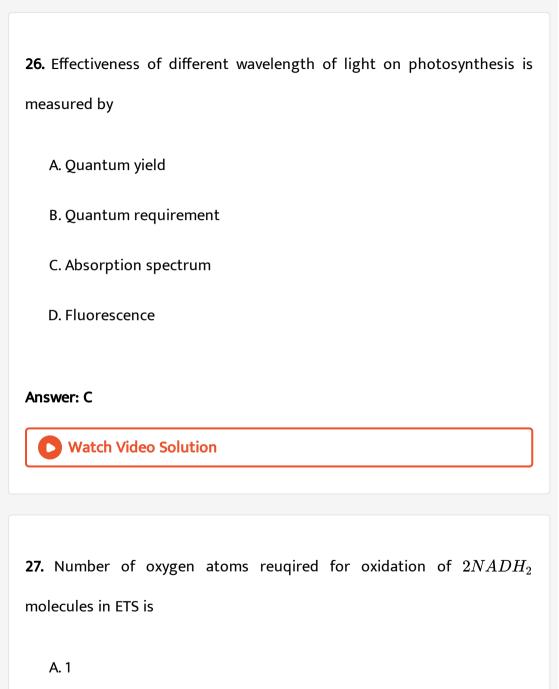


25. Manganese toxicity causes:

- A. Reduces uptake of magnesium and iron
- B. Inhibit translocation of $Ca^{2\,+}$
- C. Yellow spots surrounding chlorotic veins
- D. Both (a) and (b)

Answer: D





B. 2

C. 3

D. 4

Answer: B



Watch Video Solution

28. Arithmetic growth curve is represented by which of the following equation?

A.
$$w_t = w_0 e^{rt}$$

$$\mathsf{B.}\,L_0=L_t+rt$$

$$\mathsf{C}.\,L_t=L_0+rt$$

D.
$$2L_t = L_0 - rt$$

Answer: C



29. Which of the following disease is the result of the reflex action of medulla oblongata?

- A. Indigestion
- B. Vomiting
- C. Constipation
- D. Diarrhoea

Answer: B



- **30.** Which of the following is most suitable description for trachea?
 - A. Straight tube, extending upto the mid-thoracic cavity and divides at
 - the level of 5^{th} thoracic vertebra.
 - B. Straight tube, extending upto the mid-thoracic cavity and divides at
 - the level of 3^{rd} thoracic vertebra.

C. Straight tube, extending upto the neck and divides at the level of

 5^{th} cervical vertebra

D. Curved tube, extending upto the mid-thoracic cavity and divides at the level of $\mathbf{5}^{th}$ thoracic vertebra.

Answer: A



31. In which disease does a symptom of acute chest pain appear due to enough oxygen not reaching the muscle?

A. Angina pectoris

B. Atherosclerosis

C. Arteriosclerosis

D. Hypertension

Answer: A

- 32. Read the following statements about the excretory system in humans:
- I. A fall in GFR can activate the JG cells to release renin.
- II. ADH can also affect the kidney function by its constrictory effects on blood vessels.

III. The proximity between the Henle's loop and vasa recta, as well as the counter-current in them help in maintaining an increasing osmolarity towards the outer medullary interstitium.

IV Our lungs remove large amounts of CO_2 (108 litres/day).

V. Renal calculi are the stone or insoluble mass of crystallised salts like oxalates within the kidney.

How many of these are correct?

- A. None
- B. One
- C. Two
- D. Three

Watch Video Solution 33. Which of the following organs is not a part of the limbic system? A. Amygdala B. Hippocampus C. Inner pars of cerebral hemispheres D. Cerebellum Answer: D **Watch Video Solution** 34. Which of the following is not the function of parathormone (PTH)? A. Increases calcium level in blood

Answer: C

B. Decreases the reabsorption of calcium from the renal tubules

C. increases the calcium absorption from GIT

D. Decreases the movement of calcium to bones.

Answer: B



Watch Video Solution

35. Which of the following sets of elements delays flowering if their concentration in plants is low?

A. N, K, Mg, S

B. N , S, P

C. Ca, Mg , Cu

D. N, S, Mo

Answer: D



36. The part of large intestine which appears as a blind sac and harbours some microoganisms is called :

- A. Caecum
- B. Vermiform appendix
- C. Colon
- D. Rectum

Answer: A



Watch Video Solution

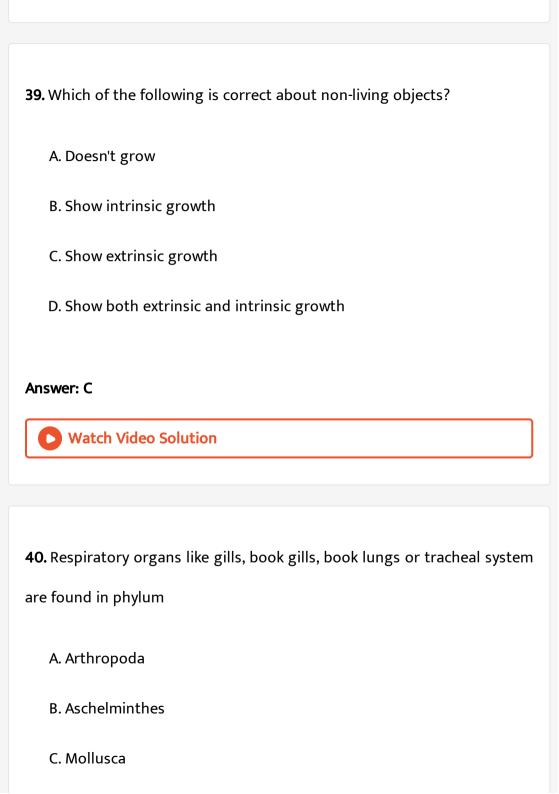
37. Match the columns with their respective matches.

	Column I		Column II
P.	Inspiratory Capacity	l.	ERV + RV
Q.	Expiratory Capacity	II.	TV + ERV
R.	Functional Residual Capacity	III.	ERV + TV + IRV
S.	Vital Capacity	IV.	TV + IRV

C. P-III, Q-IV, R-I, S-II D. P-IV, Q-II, R-I, S-III **Answer: D** Watch Video Solution 38. Citrus canker is a A. Bacterial disease B. Fungal disease C. Viral disease D. Prion disease **Answer: A** Watch Video Solution

A. P-III, Q-II, R-IV, S-I

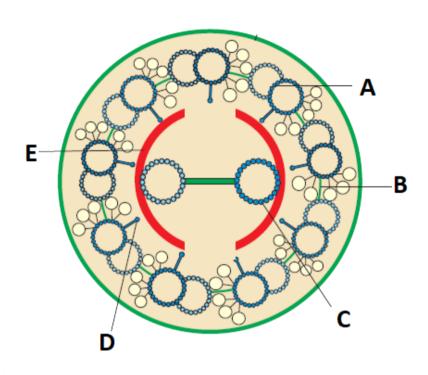
B. P-IV, Q-I, R-III, S-II



D. Chordata
nswer: A
Watch Video Solution
1. Nissl's graunles are located in
A. Cyton and Dendrites
B. Dendrites and Axon
C. Axon and Cyton
D. Axon and Axon terminal

Answer: A

42. Identify parts labeled A - E in the given figure.



В.

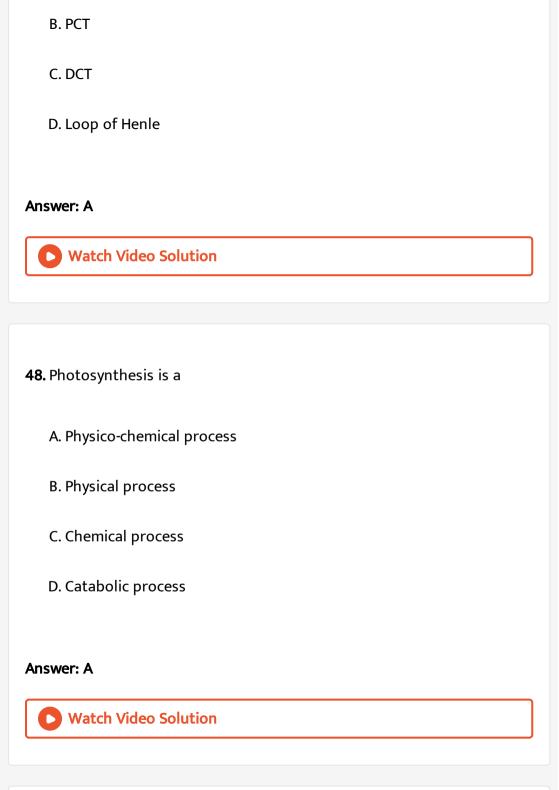
A.

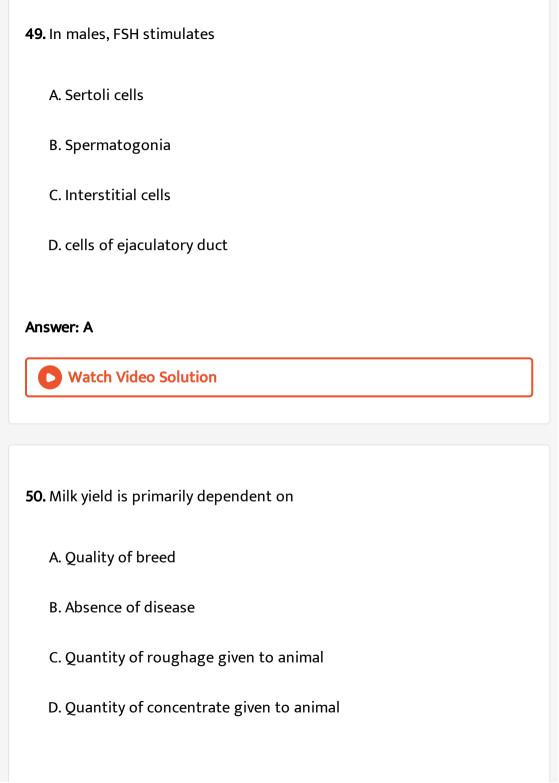
C.

D.			
A		B	C
Per	ipheral microtubules	Intertriplet bridge	Central macrotubule
Answer: C			
◯ Wat	tch Video Solution		
			_
43 . Water	constitutes% o	of the total cellular m	ass
is. Water	/o C	or the total cellular in	uss.
A. 10			
B. 30			
C. 50			
D 00			
D. 90			
Answer: D	ı		
⋒ Wat	tch Video Solution		

44. In mitosis, the centromeres split and chromatids separate during :
A. Metaphase
B. Anaphase
C. Prophase
D. Telophase
Answer: B
Watch Video Solution
45. A particular mineral element P activates various enzymes, especially nitrate reductase, Identify P.
A. Cu
B. Mo
C. Mg
D. Mn

Answer: B **Watch Video Solution** 46. The serum has all of the following except A. lons B. Glucose C. Clotting factors D. Amino acids **Answer: C** Watch Video Solution **47.** Which of the following is not a part of renal tubules? A. Glomerulus





Answer: A



Watch Video Solution

51. The number of chloroplast in chlamydomonas is _ _ _ _ and in a mesophyll cell, it ranges between _ _ .

- A. 1, 2 4
- B. 2, 20 40
- C. 20 40, 1
- D. 1, 20 40

Answer: D



Watch Video Solution

52. Different cells have different sizes. Arrange the following cells in an ascending of their size and select the correct option.

(i) Mycoplasma (ii) Ostrich egg

(iii) Human RBCs (iv) Bacteria

A. (i)
ightarrow (iv)
ightarrow (iii)
ightarrow (ii)

 $\texttt{B.}\,(i) \rightarrow (iii) \rightarrow (iv) \rightarrow (ii)$

 $\mathsf{C.}\left(ii\right)\rightarrow\left(i\right)\rightarrow\left(iii\right)\rightarrow\left(iv\right)$

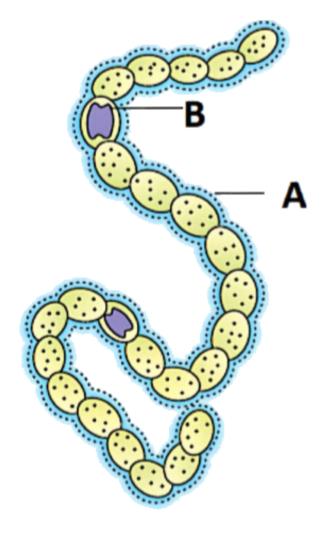
D. (iii)
ightarrow (ii)
ightarrow (i)
ightarrow (iv)

Answer: A



Watch Video Solution

53. Identify parts labeled A and B in the given diagram and selecte the correct option.



- A. Anabaena-A: Heterocyst, B-Mucilagenous sheath
- B. Nostoc A: Hetercyst, B Mucilagenous sheath
- C. Azonspirillium A: Mucilagenous sheath, B: Heterocyst
- D. Anabaena-A: Mucilagenous sheath, B: Heterocyst

Answer: D



Watch Video Solution

54. Identify the correct option:

Biological Name Family Order Class

Mangifera indica A B CTriticum aestivum D E F

A. A-Anacardiaceae, B-Sapindales, C- Monocotyledonae, D-Poaceae, E-

Poales, F- Dicotyledonae

B. A-Anacardiaceae, B-Sapindales, C- Dicotyledonae, D-Poaceae, E-

Poales, F- Monocotyledonae

C. A-Poaceae, B-Sapindales, C- Dicotyledonae, D-Anacardiaceae, E-

Poales, F- Monocotyledonae

D. A-Anacardiaceae, B-Poales, C- Dicotyledonae, D-Poaceae, E-

Sapindales, F- Monocotyledonae

Answer: B



55. Identify the incorrect pair.

A. Trypanosoma - protrozoan

B. Plankton-Float passively

C. Gonyaulax - Chitinous cell wall

D. Slime moulds - Saprophytic protists

Answer: C



56. Identify the mismatch among the following.

A. Reptiles - Cleidoic eggs

B. Amphibians- Epidermal scales

C. Mammals - Corpus callosum

D. Aves - Pneumatic bones

Answer: B



Watch Video Solution

- 57. What set of characters belongs to the same phylum?
 - A. First true coelomates and mephridia as the excretory structures.
 - B. Pseudocoelomates and flame cells as the excretory structures
 - C. Acoelomates and metanephridia cells as the excretory structures
 - D. Eucoelomates and flame cells as the excretory structures.

Answer: A



58. How many of the following statements are not correct?

[I] In a flowering plant the substances that would need to be transported are water, mineral nutrients, organic nutrients and plant growth regulators.

[II] Over small distances, substances move by diffusion and by cytoplasmic streaming supplemented only by passive transport.

[III] Organic and mineral nutrients undergo multidirectional transport through the xylem.

 $\ensuremath{[\mbox{IV}]}$ From the storage organs, organic compounds are later re-exported.

[V] Phytohormones and other chemical signals are transported to maintain and regulate the plant functions.

A. Two

B. Three

C. Four

D. Five

Answer: A

59. Mark out the number of incorrect statement/s:

[I] Some essential elements can alter the osmotic potential of a cell.

[II] Nitrogen is required by the meristematic tissue and the metabolically active cells only.

[III] $Mg^{2\,+}$ is needed by several respiratory enzymes.

[IV] Mo is essential for the water-splitting reaction in photosynthsis, a reaction that leads to oxygen evolution.

[V] Sulphur is the main constituent of several coenzymes, vitamins (thiamine, biotin, coenzyme-A) and ferrodoxin.

A. Two

B. Three

C. Four

D. Five

Answer: A



watch video Solution				
60. Which of the following are the sturctural and functional units of liver?				
A. Hepatic peritoneum				
B. Hepatic lobules				
C. Ligamentum teres				
D. Falciform ligament				
Answer: B				
Watch Video Solution				
61. The most notable diseases caused by prions are A commonly				
called B in cattle and its analogous variant C in humans.				
A. A - Cr- Jacob disease, B - Mad cow disease, C - Bovine spongiform				
encephalopathy				

B. A - Bovine spongiform encephalopathy, B - Mad cow diseases, C -

PSTV d

C. A - Bovine spongiform encephalopathy, B - Mad cow diseases, C - Cr-

Jacob disease

D. A - Cr- Jacob disease, B - Mad cow disease, C - PSTV d

Answer: C



62. Select the incorrect statement.

A. Jawless fishes have 6-15 pairs of gill slits.

B. Reptiles have three-chambered heart except crocodile and cleidoic

eggs

C. Chordates have a solid dorsal nerve cord & notochord

D. Urochordata and Cephalochordata are often referred to as protochordates.

Answer: C



63. Plants with edible roots include:

A. Turnip, Banyan , Asparagus

B. Radish, Carrot, Rhizophora

C. Carrot, Turnip, Maize

D. Carrot, Radish, Sweet potato

Answer: D



- **64.** Which of the following is not the feature of cardiac muscle?
 - A. Communication juctions are intervertebral disc
 - B. They show branching pattern
 - C. Stimulation received by one cell is passed to neighbouring cells
 - D. They are striated in nature

Answer: A



- **65.** Which of the following set represent the members of Solanaceae family?
 - A. Belladonna, Ashwagandha, Petunia
 - B. Datura, Indigofera, Tomato
 - C. Brinjal, Chilli, Sunhemp
 - D. Potato, Brinjal, Lupin

Answer: A Watch Video Solution 66. Companion cells are present in the phloem of A. Pteriophytes B. Gymnosperms C. Angiosperms D. Both 1 and 2 **Answer: C Watch Video Solution** 67. Vision in cockroach is A. Internal

- B. External, in the water
- C. external , in the cocoon
- D. Internal, in the cocoon

Answer: A



Watch Video Solution

- **68.** Vessels differ from tracheids in having
 - A. In being living
 - B. Presence of perforation plates at both ends
 - C. Enucleated condition
 - D. All of the above

Answer: B



69. During muscle contraction, what could be the correct sequence?				
A. Release of calcium ions into the sarcoplasm.				
B. Release of Acetylcholine.				
C. Sliding of actin filaments over each other.				
D. Break down of ATP to form a cross bridge.				
A. A-D-B-C				
B. A-B-D-C				
C. B-A-C-D				
D. B-A-D-C				
Answer: D				
Watch Video Solution				
70. Which of the following is correct about metaphase - I ?				
A. Bivalents are arranged at equator				

- B. Univalents are arranged at equator
- C. Non-homologus chromosomes forms pair
- D. Spindle fibers are attached at chromomere

Answer: A



Watch Video Solution

- **71.** Which of the following is correct about organism develop through parthenogenesis?
 - A. They show a 50% similarity to father
 - B. They show a 50% similarity to mother
 - C. They show a 100% similarity to father
 - D. They show a 100% similarity to mother

Answer: D



72. Which of the following is an importan function of cortisol?

A. Maintains cardio - vascular system as well as the kidney functions .

B. Absorption of calcium from gut.

C. Absorption of water in PCT

D. Absorption of iron from gut

Answer: A



73. Angiotensin-II will perform all the following except

A. Vasoconstriction

B. Hypernatremia

C. Increasing GFR

D. Excretion of $Na^{\,+}$ in urine

Answer: D



Watch Video Solution

74. The human placenta does not secrete which of the following hormone?

A. Human chorionic gonadotropin (hCG)

B. Human placental lactogen (hPL)

C. Androgens

D. Progestogens

Answer: C



Watch Video Solution

75. Inner layer of male gametophyte in Angiosperm is mainly composed of

A. Polymer of amino acids B. Polymer of nucleotide C. Polymer of lipid D. Polymer of carbohydrate Answer: D **Watch Video Solution** 76. During embryonic development of human, limbs, and digits are formed during A. First month of pregnancy B. Second month of pregnancy C. Third month of pregnancy D. Seventh month of pregnancy

Answer: B



77. Barr body is absent in

A. Klinefelter's syndrome

B. Turner's syndrome

C. Normal female

D. Down syndrome in female

Answer: B



Watch Video Solution

78. The frequency of crossing over between any two linked genes is

A. Higher if they are recessive

B. Determined by their relative dominance

C. The same as if they were not linked

Answer: D				
○ Wa	tch Video Solution			
79. Saheli'	is a contraceptive drug. Select the incorrect statement about it			
A. Ora	l drug			
B. Non	n-steroidal			
C. Onc	e a month pill			
D. High	n contraceptive value			
Answer: C				
○ Wa	tch Video Solution			

- A. Hershey and Chase B. Oparin and Haldane C. Urey and Miller D. Alfred Wallace **Answer: C Watch Video Solution**
- 81. Biotic potential refers to
 - A. Increase of population under optimum conditions

B. Increase of population under given conditions

- C. Increase of population under natural conditions
- D. Increase of population under climatic conditions

Answer: A

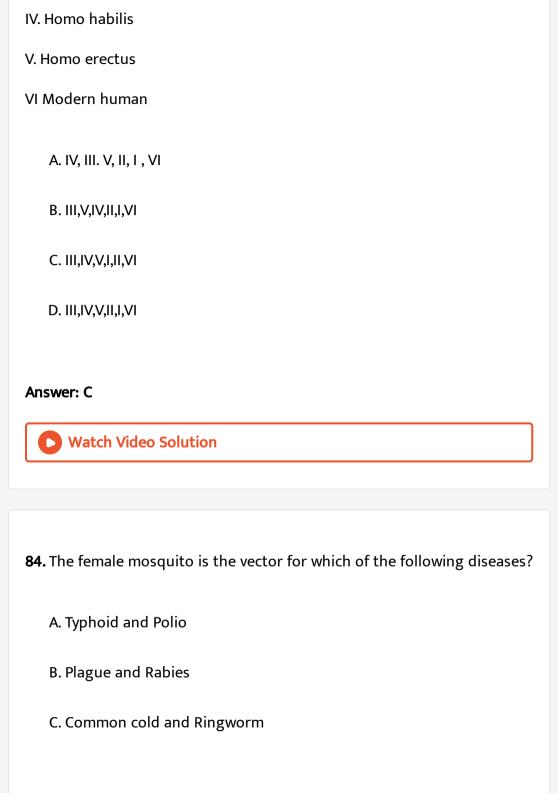
82. Which of the following factors may result in introduction of new variations?

- A. Gene mutation
- B. Genetic recombination
- C. Stabilizing natural selection
- D. Immigration of individuals

Answer: A



- **83.** Identify the correct sequence of stages in the evolution of modern humans.
- I. Neanderthal man
- II. Cro-Magnon man
- III. Australopithecines



D. Filariasis and Malaria				
Answer: D				
Watch Video Solution				
85. Which of the following statement is not correct?				
A. Ecosystem is an open system				
B. Ecosystem is self-sustaining and dynamic structure				
C. Sun is the ultimate source of energy for any ecosystem				
D. In an artificial ecosystem flow of energy is not unidirectional				
Answer: D				
Watch Video Solution				

86. Which of the following is not true about succession?

A. It is a natural process of change in species structure and community with time

B. It is a gradual and predictable change

C. Progressive increase in the amount of living biomass as succession proceeds

D. Food chain relationship becomes less complex as succession proceeds

Answer: D



87. Which of the following is an autoimmune disease?

A. Muscular dystrophy

B. Gout

C. Myasthenia gravis

_	~ .	
I).	Osteoporos	เเร
	051C0p0.03	

Answer: C



Watch Video Solution

- 88. How many of the given statements are not incorrect?
- I. The plasmid is autonomously replicating circular extra-chromosomal

DNA.

- II. Ligase enzyme belongs to a larger class of enzymes called nucleases.
- $\hbox{III. DNA fragments are negatively-charged molecules.}\\$
- IV. E.coli always has genes encoding resistance to antibiotics such as ampicillin and chloramphenicol.
 - A. One
 - B. Two
 - C. Three
 - D. Four

Answer: B



Watch Video Solution

89. Mark the incorrect pair

A. Bt cotton - Genes from Agrobacterium

B. SCID - ADA defucuebcy

C. Rosie - a lactalbumin

D. Ely-lily-Humulin

Answer: A



90. Match the column-I with column-II.

	Column-I		Column-il
Α	Wheat	Ι	Pusa Shubhra
В	Cauliflower	Ш	Pusa Gaurav
С	Brassica	Ш	Pusa Komal
D	Chilli	I۷	Sonalika
		٧	Pusa Sadabahar

A. A-IV, B-I, C-II,D-III

B. A-IV, B-III, C-II,D-V

C. A-IV, B-I, C-II,D-V

D. A-III, B-I, C-II,D-IV

Answer: C

