



# BIOLOGY

## NTA MOCK TESTS ENGLISH

### NTA NEET SET 53

#### Biology

1. The arteries differ from veins in having :

A. Arteries consist of three distinct layers ,  
which are thin and collapsible whereas  
veins consist of three distinct layers,  
which are rigid , thicker and highly  
muscular.

B. Veins consist of three distinct layers,  
which are thin and collapsible whereas  
arteries consist of three distinct layers ,  
which are rigid , thicker and highly  
muscular.

C. Veins consist of two distinct layers, which are thick and collapsible whereas arteries consist of three distinct layers , which are rigid , thicker and highly muscular.

D. Arteries consist of three distinct layers , which are thin and muscular whereas veins consist of three distinct layers, which are rigid , thicker and highly vascular.

**Answer: B**



**Watch Video Solution**

**2. Find out the incorrect statements :**

- (1) Blue-green alga is a prokaryotic cell.
- (2) WBC is amoeboid in shape.
- (3) Mycoplasma is the largest cell.
- (4) Microbodies are cell organelles.
- (5) Prokaryotes do not exhibit a wide variety of shapes.

A. 2,4 and 5

B. 2,3 and 5

C. 3,4 and 5

D. 3 and 5 only

**Answer: D**



**Watch Video Solution**

**3. The end of T-wave marks the end of**

A. Three

B. Two

C. One

D. None

**Answer: B**



**Watch Video Solution**

**4.** George palade observed granular structure under electron microscopy which is composed of

A. RNA & DNA

B. RNA & Carbohydrates

C. RNA & Proteins

D. RNA & Amino acids

**Answer: C**



**Watch Video Solution**

**5. Select incorrect statements.**

1. Diplotene stage is not recognized by the dissolution of the synaptonemal complex.

2. Recombination nodules contain a recombinase enzyme.

3 . Interkinesis is generally short - lived .

4. In anaphase II separation of homologous chromosomes ( bivalents ) separate to opposite poles.

A. 1 and 2

B. 2 and 3

C. 2 and 4

D. 1 and 3

**Answer: D**





Watch Video Solution

6. Which of the following statements is not correct for most common type of nephrons of human kidney ?

A. They are small size, less coiled with major part present at the junction of cortex and medulla.

B. They have short length of loop of Henle.

C. They do not have major role to from counter current mechanism.

D. They have no or highly reduced vasa recta.

**Answer: A**



**Watch Video Solution**

7. The protein coat called capsid made of small subunits called capsomeres are present in

- A. Centrosome, centromere
- B. Chromocenter , centromere
- C. Centromere , kinetochores
- D. Centromere, centromere

**Answer: C**



**Watch Video Solution**

8. Trypsinogen is activated into trypsin by an enzyme .....X..... Secreted by .....Y..... Choose the option which correctly describes 'X' and 'Y'

A.  $\begin{matrix} X & Y \\ (A) & \text{Trypsinase} & \text{Small intestine} \end{matrix}$

B.

$\begin{matrix} X & Y \\ (B) & \text{Intestinal Lipase} & \text{Small intestine} \end{matrix}$

C.  $\begin{matrix} X & Y \\ (C) & \text{Enterokinse} & \text{Intestinal mucosa} \end{matrix}$

D.  $\begin{matrix} X & Y \\ (D) & \text{Steapsin} & \text{Small Intestine} \end{matrix}$

**Answer: C**



**Watch Video Solution**

9. A cell divides when its karyocytoplasmic index or karyoplasmic index

A. Decreases

B. Increased

C. Restored

D. Remain same

**Answer: A**



**Watch Video Solution**

**10.** The 5th thoracic vertebra is

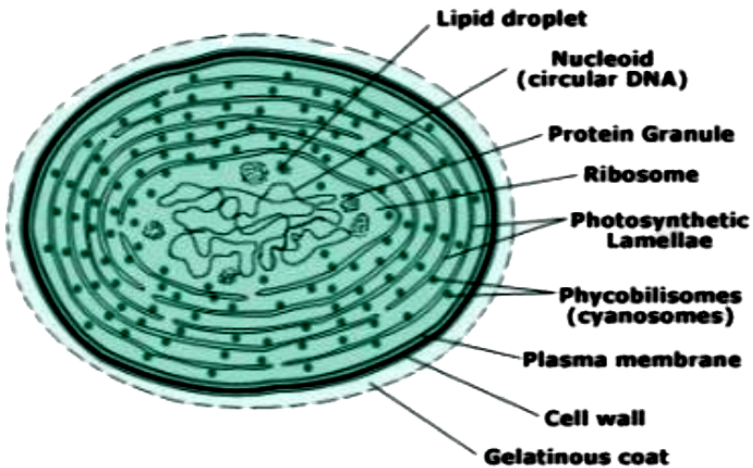
- A. the region of the spinal column inferior to the sacral vertebrae
- B. the region of the spinal column superior to the cervical vertebrae of the neck
- C. at the same level as the sternal angle
- D. inferior to the lumbar vertebrae of the lower back

**Answer: C**



**Watch Video Solution**

11. Observe and identify the given structure.



A. Brown-algae

B. Blue -green algae

C. Red - algae

D. Green- algae

**Answer: B**



**Watch Video Solution**

**12.** What is the number of carbon atoms which the palmitic acid and arachidonic acid contain (including carboxyl carbon )?

A. 16,19

B. 15,19



C. 16, 20

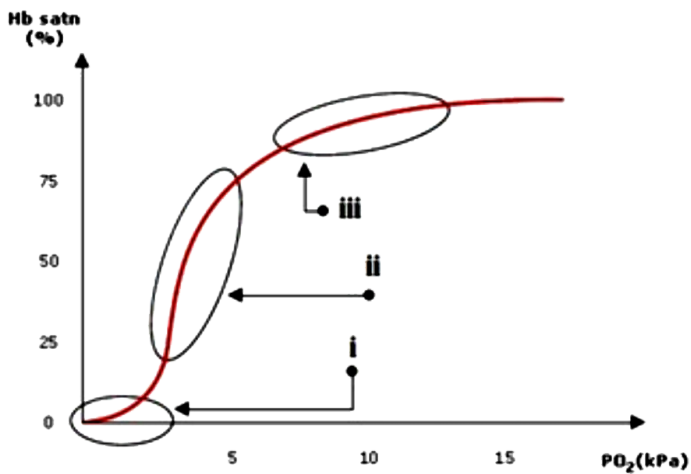
D. 18,20

**Answer: C**



**Watch Video Solution**

**13.** Identify the labelings i, ii , and iii in the hemoglobin-oxygen dissociation curve .



A. i. Binding of 1st oxygen molecule  
(difficult to bind).

ii. Binding of 3rd oxygen molecule (easy  
to bind)

iii. Binding of 2nd oxygen molecules  
(very difficult to bind).

B. i. Binding of 1st oxygen molecule (easy to bind).

ii. Binding of 2nd oxygen molecules (easy to bind).

iii. Binding of 3rd oxygen molecule (very difficult to bind)

C. i. Binding of 1st oxygen molecule (easy to bind).

ii. Binding of 2nd oxygen molecules (difficult to bind).

iii. Binding of 3rd oxygen molecule  
(difficult to bind)

D. i. Binding of 1st oxygen molecule  
(difficult to bind)

ii. Binding of 2nd oxygen molecules (easy  
to bind).

iii. Binding of 3rd oxygen molecule (very  
difficult to bind)

**Answer: D**



**Watch Video Solution**

#### 14. In the primary structure of protein

A. Left end represents → 1 st amino acid

(C- terminal amino acid)

B. Right end represents → Last amino

acid (N -terminal amino acid)

C. Left end represents → 1 st amino acid

(N- terminal amino acid)

D. Right end represents → Last amino acid (C-terminal amino acid)

**Answer: C**



**Watch Video Solution**

**15.** Which of the following connections are not true about the special creation theory of the origin of life ?

A. All living organisms that we see today  
we're created as such .

B. The earth is about 4000 years old.

C. There has been gradual evolution of the  
form.

D. Diversity was always the same since  
creation and will remain same in future  
also .

**Answer: C**



**Watch Video Solution**

**16.** Three of the following statements about enzymes are correct, which one is wrong ?

A. Higher temperature destroys enzymatic activity because proteins are denatured by heat .

B. Enzymes are denatured at high temperature but in. Certain exceptional organisms they are effective even at temperature from  $80^{\circ} - 90^{\circ} C$ .



C. Enzymes lower the activation energy and hasten the enzyme-catalyzed reaction.

D. Most of the enzymes are active intracellular only and gets inactivated under extracellular conditions

**Answer: D**



**Watch Video Solution**

**17. Find the correct match**

A. Viruses are smaller in size ranging from 20-400 nm and bacteria is larger in size , around 1000 nm.

B. Origin of solar system : 20 billion years ago and organic of universe system: 50 billion years ago

C. Founder effect operates in a large population and gene flow operates in a small population

D. Deep veins are located on the surface of the skin

**Answer: A**



**Watch Video Solution**

**18.** Which of the following plant cells show totipotency ?

A. Cork cells , meristem , spores

B. Meristem, zygote , spores

C. Spores, zygote, xylem vessels

D. Sieve tube , zygote , spores

**Answer: B**



**Watch Video Solution**

**19.** Arrange the following places in increasing order of bird diversity.

(i) New York

(ii) India

(iii) Greenland

(iv) Columbia

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

B. (iv), (iii),(ii) , (i)

C. (i) , (ii),(iii),(iv)

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

**Answer: D**



**Watch Video Solution**

20. Match the following column I with column

II :

	Column-I		Column-II
(A)	Homo habilis	(I)	first human-like being hominid
(B)	Homo erectus	(II)	buried their dead with flowers
(C)	Neanderthal man	(III)	brain size around 900cc
(D)	Cro-magnon man	(IV)	excellent cave painting/art

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

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

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

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

**Answer: D**



**Watch Video Solution**

**21.** Which of the following set of animals are triploblastic, true coelomates with open type circulatory system ?

A. Earthworm , Cockroach , Nereis

B. Cockroach, Octopus , Leech

C. Mosquito, pheretima , Nereis

D. Cockroach , Mosquito , pila

**Answer: D**



**Watch Video Solution**

**22.** Which cross leads to the production of the mule ?

- A. Male donkey X female horse
- B. Female donkey X male horse
- C. Stallion X female donkey
- D. Stallion X mare



**Answer: A**



**Watch Video Solution**

**23.** Which of the following statements is correct about cyclostomata ?

A. All living members are endoparasites on some fishes.

B. They have an elongated body bearing 2 pair of gill slits

C. They have a sucking and circular mouth without jaws .

D. All of the above.

**Answer: C**



**Watch Video Solution**

**24.** Which of the following is not under broadly utilitarian reasons for conserving biodiversity?

A. Human derive direct economic benefit from nature.

B. Many drugs are derived from plants.

C. Medicinally useful plants are present in tropical forest .

D. Many insect pollinates the plants

**Answer: D**



**Watch Video Solution**

**25.** Which of the following contraceptive method has high rate of failure ?

A. Oral contraceptive pills

B. Implants

C. Barrier method

D. Periodic abstinence

**Answer: D**



**Watch Video Solution**

**26.** Which metal inactivates a catalytic converter ?

A. Gold

B. Lead

C. Silver

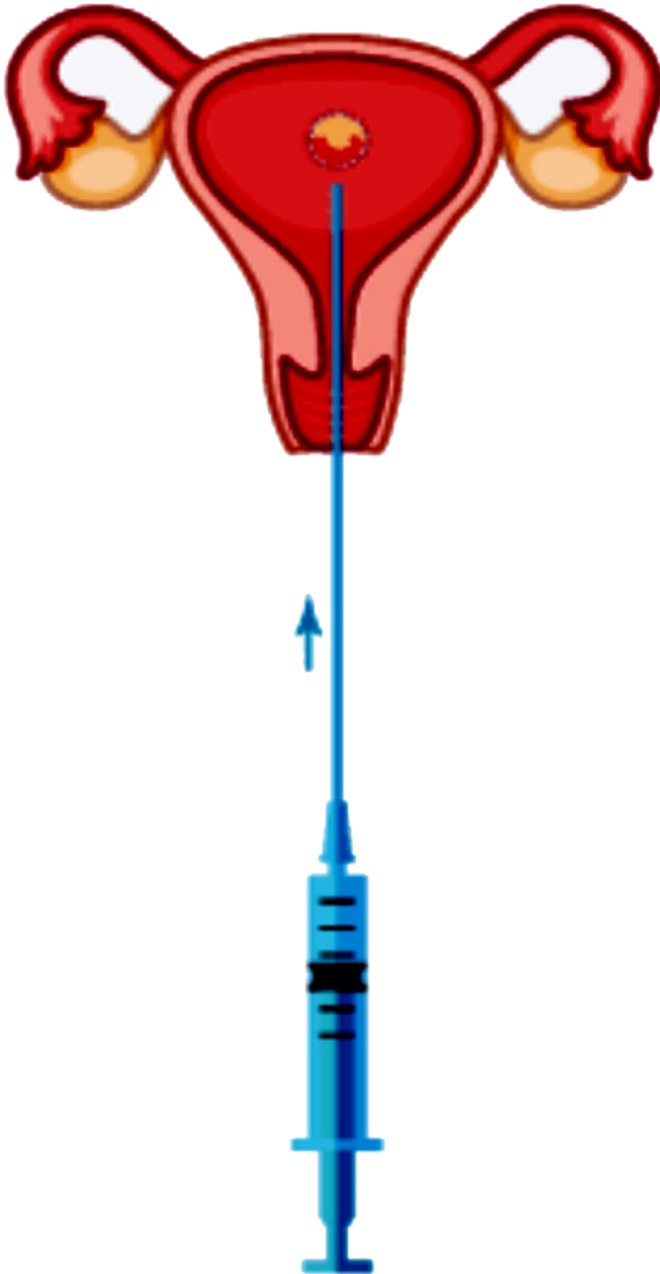
D. Iron

**Answer: B**



**Watch Video Solution**

27. The given diagram represents



A. The injection of ovum and sperms to the female uterus.

B. The blastomere is transferred to the body.

C. In vitro fertilization followed by zygote transfer into a fallopian tube or uterus of the female.

D. Both (a) and (c)

**Answer: B**



Watch Video Solution

**28.** How many of the following statements are correct ?

1. Good ozone is found in the stratosphere.
2. UV radiation having a lower wavelength than UV -B is almost completely absorbed by the Earth's atmosphere.
3. UV - B causes snow blindness and cataract.
4. dB is a unit to measure the thickness of ozone.



A. one

B. Two

C. Three

D. Four

**Answer: C**

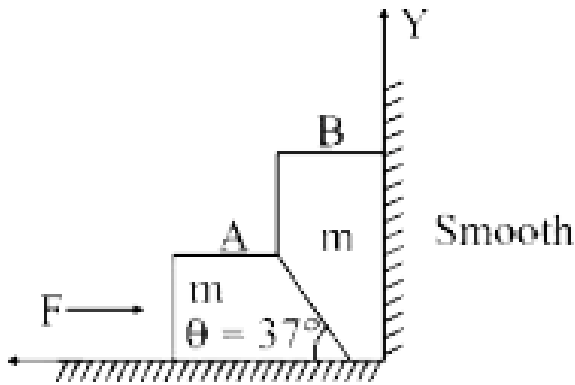


**Watch Video Solution**

**29.** Two smooth blocks are placed at a smooth corner as shown in figure. Both the blocks are having mass  $m$ . We apply a force  $F$  on the

block A. Block A presses block B in the normal direction, due to which pressing force on vertical wall will increase and pressing force on the horizontal wall decreases, as we increase  $F(\theta = 37^\circ \text{ with horizontal})$ .

As soon as the pressing force on the horizontal wall by block B becomes zero, it will lose contact with ground. If the value of  $F$  further increases, block B will accelerate in the upward direction and simultaneously block A will move towards right



If the acceleration of block A is a rightwards, then the acceleration of block B will

A. Heterocysts

B. Akinetes

C. Gemmule

D. Endospores

**Answer: B**



**Watch Video Solution**

**30. Reducing sugars are**

A. Glucose , fructose, maltose , galactose  
and lactose

B. Glucose, sucrose and cellulose

C. Lactose , starch, glycogen and trehalose

D. All of the above

**Answer: A**



**Watch Video Solution**

**31.** All the events of the menstrual cycle stop and there is no menstruation during pregnancy is due to

- A. Negative feedback of FSH & LH
- B. Negative feedback of oxytocin
- C. Negative feedback of prolactin
- D. Negative feedback of progesterone

**Answer: D**



**Watch Video Solution**

**32.** Under unfavourable conditions many zooplankton species in lakes and ponds enter

A. Aestivation

B. Migration

C. Diapause

D. Hibernation

**Answer: C**



**Watch Video Solution**

**33.** Read the statements given below :

- (i) The first movements of the foetus and appearance of hair on the head are usually observed during 5th months of pregnancy.
- (ii) The structural and functional unit between developing embryo and the maternal body is called the umbilical cord .
- (iii) At puberty , in female both ovaries contain

about 60,000 –80,000 primary follicles .

Choose the correct statement from the above .

A. i, ii, and iii

B. i and ii

C. ii and ii

D. only i

**Answer: D**



**Watch Video Solution**



**34.** A place , which used to be rocky and barren, has now turned into a lush green forest . The plant succession of the area is

A. Lichen , moss, herbs, shrubs

B. Moss, lichen, herbs, shrubs

C. Lichen , moss ,shrubs, herbs

D. Shrubs, herbs , moss lichen

**Answer: A**



**Watch Video Solution**

**35.** Which one of the following pair of reproductive organs does not show homology between males and females ?

A. Glans penis & Clitoris

B. Scrotum & Labia minora

C. Bulbourethral gland & Bartholin's gland

D. Prostate gland & Skene's gland

**Answer: B**



**Watch Video Solution**

**36.** In a pond ecosystem , the shape of a pyramid of number is

- A. Linear
- B. Irregular
- C. Upright
- D. Inverted

**Answer: C**



**Watch Video Solution**

**37.** What are staining and clearing reagent?



**Watch Video Solution**

**38.** Consider the following statements concerning food chains

(i) Removal of 80% tigers from an area resulted in greatly increased growth of vegetation

(ii) Removal of most of the carnivores resulted in an increased population of deers

(iii) The length of food chains is generally

limited to 3 - 4 trophic levels due to energy loss

(iv) The length of food chains may vary from 2 to 8 trophic levels

Which two of the above statements are correct?

A. II and III

B. III and IV

C. I and IV

D. I and III

**Answer: A**



Watch Video Solution

**39.** Which of the following is the correct option for decreases order of concentrations of different types of antibodies which are produced in our body ?

A. IgG, IgA, IgM, IgD, IgE

B. IgM, IgG, IgA, IgD, IgE

C. IgE, IgD, IgM, IgA, IgG

D. IgE, IgD, IgA, IgG, IgM

**Answer: A**



**Watch Video Solution**

**40.** Swollen placenta with many ovules is present in

A. Chilli

B. Aloe

C. Tulip

D. Mullathi

**Answer: A**



**Watch Video Solution**

**41.** Find the number of correct match in the following :

I. Cancer : Don't die of ignorance disease

II. Cocaine : called coke or crack is usually snorted

III. Charas : Binds to cannabinoids receptors of CNS & GI tract



IV. Smoking : cause cancer of urinary bladder

V. Hepatitis B : sexually transmitted disease

A. Five

B. Four

C. Three

D. Two

**Answer: C**



**Watch Video Solution**

**42.** Which of the following is not correct with respect to a part of the flower and its function ?

A. Sepals are green leaf - like structures which protect the flower after opening.

B. Petals are usually brightly coloured to attracts insects for pollination .

C. Stamnodes produce pollen grains.

D. Stigma is the tip of carpel and is the receptive surface for pollen grains.

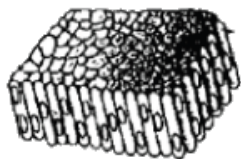
**Answer: C**



**Watch Video Solution**

**43.** The four sketches (A, B, C and D) given below, represent four different types of animal tissues. Which one of these is correctly identified in the options given, along with its correct location and function ?

(A)



(B)



(C)



(D)



	Given Figure	Tissue	Location	Function
(1)	(D)	Smooth muscle tissue	Heart	Contraction
(2)	(A)	Columnar epithelium	Nephron	Secretion and absorption
(3)	(B)	Glandular epithelium	Intestine	Secretion
(4)	(C)	Collagen fibres	Cartilage	Attach skeletal muscles to bones



**Watch Video Solution**

**44.** Select the incorrect pair.

A. Indigofera - Sepals five (Gamosepalous corolla (Vexillary aestivation))

B. Brinjal - Sepals five united (persistent, valvate aestivation)

C. Asparagus - Sepals three often united into tube (valvate aestivation)

D. Colchicine - Perianth present tepals six (valvate aestivation)

**Answer: C**



**Watch Video Solution**

**45.** Which of the following glands /structure do not participate in excretion in *periplaneta americana* ?

- A. Uricose gland
- B. Malpighian tubules
- C. Fat body
- D. phallic gland

**Answer: D**



**Watch Video Solution**

**46.** Match column I with column II and select the correct option from given codes.

Column I

Column II

A. Marginal

(i) Sunflower, marigold

B. parietal

(ii) Pea

C Axile

(iii) Mustard, Argemone

D. Free central

(iv) Hibiscus, Argemone

E. Basal

(v) Dianthus, Primorse

A. A - 1 , B - 2 , C - 4 , D - 3 , E - 5

B. A - 2 , B - 1 , C - 3 , D - 4, E - 5

C. A - 4 , B - 1 , C - 3 , D - 5 , E - 4

D. A - 5 , B - 2 , C - 4 , D - 2 , E - 3

**Answer: A**



**Watch Video Solution**

**47.** Plasma membrane of ..... is known as sarcolemma.

A. Myofibre

B. Myofibril

C. Muscle



D. Fascicles

**Answer: A**



**Watch Video Solution**

**48.** Haplodiplontic life cycle is observed in

A. Bryophyta

B. Pteridophyta

C. Most of the Algae

D. Both (a) and ( b)

**Answer: D**



**Watch Video Solution**

**49.** Read the statements (A- D).

A. Suture joint is a type of fibrous joint between cranial bones.

B. Myasthenia gravis is an autoimmune disorder.

C. Tetany results in rapid spasms or wild contractions in nerve.

D. Accumulation of uric acid crystals in joints

occurs in gout.

How many of the above statements are false?

A. None

B. One

C. Two

D. Three

**Answer: B**



**Watch Video Solution**

**50.** At the stage of generation of action potential, the axolemma is :

- A. Positive outside
- B. Negative outside
- C. Neither positive nor negative
- D. Initially positive than negative

**Answer: A**



**Watch Video Solution**

51. Select the incorrect statement from the following.

- A. The dominant phase in the life cycle of pteridophytes is sporophyte
- B. The dominant phase in the life cycle of pteridophytes is gametophyte.
- C. The dominant phase in the life cycle of gymnosperms is gametophyte.
- D. The dominant phase in the life cycle of angiosperms is sporophyte

**Answer: C**



**Watch Video Solution**

**52.** Select the incorrect statement with respect to the neurons and brain .

A. Efferent neurons Carry impulse from CNS to peripheral tissues .

B. Granular bodies are found in cytons of neuron.

C. Unipolar neuron has only dendrite .

D. Duramater is in contact with cranium.

**Answer: C**



**Watch Video Solution**

**53.** family convolvulaceae and Solanaceae  
belong to the order \_\_\_\_\_.

A. Poales

B. Polymoniales

C. Diptera

D. Dicotichas

**Answer: B**



**Watch Video Solution**

**54.** Which of the following hormones stimulates the reabsorption of electrolytes in the kidney ?

A. Arginine



B. TSH

C. ADH

D. ACTH

**Answer: C**



**Watch Video Solution**

**55.** Carbon skeleton produced during respiration is used as precursor for biosynthesis of other molecules in the cell thus respiration is:

- A. Catabolic process
- B. Anabolic process
- C. Amphibolic process
- D. Developmental process

**Answer: C**



**Watch Video Solution**

**56.** Select the incorrect match .

- A. Adrenal cortex - Glucocorticoids

B. Parathyroid glands - 4 in number

C. Hypothyroidism - Cretinism

D. Thymosins - Steroid hormone

**Answer: D**



**Watch Video Solution**

**57.** How many molecules of carbon dioxide will be produced if two molecules of Acetyl CoA is Completely oxidized in aerobic respiration ?

A. One

B. Two

C. Three

D. Four

**Answer: D**



**Watch Video Solution**

**58.** Which of the following group represents all beneficial elements ?

A. Na, Si, Se, Ag

B. Na, Se, Cu, Co

C. Na, Si, Co, Se

D. Na, Ne, Se, Co

**Answer: C**



**Watch Video Solution**

**59.** Read the following statements

A. Zone reticulate form the inner layer of adrenal cortex .

B. Insulin is a peptide hormone secreted by beta cells of pancreas in pancreatic juice .

C. Parathormone and thyroxine are antagonistic hormone .

How many statements are incorrect ?

A. None

B. One

C. Two

D. All

**Answer: B**



60. Stomata open at night and close during the day time in

- A.  $C_3$  pathway
- B. CAM pathway
- C.  $C_4$  pathway
- D. Both (B) and (C)

**Answer: B**



**61.** Chlorophyll a is absent in photosynthetic

A. Cyanobacteria

B. Red algae

C. Brown algae

D. Bacteria

**Answer: D**



**Watch Video Solution**



62. During photorespiration, the oxygen consuming reaction(s) occur in

A. Stroma of chloroplasts and peroxisomes

B. Grana of chloroplasts and peroxisomes

C. Stroma of chloroplasts

D. Stroma of chloroplasts and mitochondria

**Answer: A**



**Watch Video Solution**

**63.** Which of the following plant hormones is correctly matched with its function

A. Absciscic acid - Stomatal closure

B. Gibberellic acid - leaf fall

C. Cytokinin - Cell division

D. IAA - Apical dominance

**Answer: B**



**Watch Video Solution**

**64.** The term used for permanent cells that have reobtain meristematic property to perform cell division is

- A. Differentiation
- B. Dedifferentiation
- C. Redifferentiation
- D. determination

**Answer: B**



**Watch Video Solution**

**65.** The thallus like body of slime mould is called

A. Fruiting body

B. Mycelium

C. Protonema

D. Plasmodium

**Answer: D**



**Watch Video Solution**

**66.** Which one of the following organisms is not an example of a unicellular eukaryote?

A. Euglena

B. Gonyaulax

C. Amoeba

D. E. coli

**Answer: D**



**Watch Video Solution**

67. The fungi which are used to produce the product which is also the first stable product of TCA cycle belongs to

A. Phycomycetes

B. Ascomycetes

C. Basidiomycetes

D. Deuteromycetes

**Answer: B**



**Watch Video Solution**

**68.** The bacterial genome consists of

- A. DNA and Histone
- B. DNA or Histone
- C. DNA without Histone
- D. Neither DNA nor Histone

**Answer: C**



**Watch Video Solution**

**69.** Select the incorrect matched pair.

A. Initiation codon - AUG, GUG

B. Stop codon - UAA, UAG, UGA

C. Methionine - AUG

D. Alanine - ACC, ACU, ACA and ACG

**Answer: D**



**Watch Video Solution**

**70.** UTRs are the untranslated regions present on



A. rRNA

B. tRNA

C. mRNA

D. hnRNA

**Answer: C**



**Watch Video Solution**

**71.** Hershey-Chase experiment successfully proved DNA to be genetic material. The

correct sequence of steps followed in this experiment is

- A. Blending, Infection, Centrifugation
- B. Centrifugation, Infection, Blending
- C. Infection, Centrifugation, Blending
- D. Infection, Blending, Centrifugation.

**Answer: D**



**Watch Video Solution**

72. Identify the incorrect match.

A. Chlamydomonas - Zoospore

B. Penicillium - Conidia

C. Hydra - Gemmules

D. Amoeba - Binary fission

**Answer: C**



**Watch Video Solution**

**73.** To which of the following parts of a flower, the proximal end of the filament of stamen is attached?

- A. Pedicel or tepals
- B. Thalamus or petal
- C. Sepals or petals
- D. Tepals or sepals

**Answer: B**



**Watch Video Solution**

74. Mass of cell enclosed within the integuments in ovule is called

A. Chalaza

B. Endosperm

C. Nucellus

D. Sporogenous tissue

**Answer: C**



**Watch Video Solution**

75. Which of the following is correct about the post-fertilization events in flowering plants?

A. Development of embryo before endosperm.

B. Endosperm develops before embryo

C. Both the development of embryo and endosperm occurs simultaneously

D. All are correct

**Answer: B**



**Watch Video Solution**

**76.** Which of the following statement is wrong wrt pollen grain and fertilisation in angiosperms

A. Pollen grain in some plants remains viable for months.

B. Tapetum nourishes the developing pollen.

C. Vegetative cells larger than generative cell.

D. PEN is produced by the fusion of two polar nuclei

**Answer: D**



**Watch Video Solution**

**77.** Which of the following group of plants shows entomophily?

A. Vallisneria, Grass, Amorphophallus

B. Amorphophallus, Yucca, Zea mays



C. Wheat, Zostera, Rafflesia

D. Yucca, Ficus, Salvia

**Answer: D**



**Watch Video Solution**

**78.** Choose the correct option with regard to statement A and B.

A : Lactic acid bacteria (LAB) are responsible for converting milk into curd.

B : LAB creates acidic medium necessary to coagulate and fully digest the milk proteins.

A. Statements A and B are correct

B. Statement A and B are incorrect.

C. Statement A is correct but B is incorrect

D. Statement B is correct and A is incorrect

**Answer: C**



**Watch Video Solution**

79. Mendel selected \_\_\_ for his experiment.

A. 14 true breeding pea plant varieties

B. 7 true breeding pea plant varieties

C. 14 hybrid pea plant varieties

D. 7 hybrid pea plant varieties

**Answer: A**



**Watch Video Solution**

**80.** Reasons for Mendel's success was.

(i) His experiments had a large sampling size, thus greater credibility to the data collected.

(ii) Use of statistical analysis and mathematical logic

(iii) Considered many characters at a time.

(iv) Results are confirmed on the successive generation of test plants.

A. i,ii,iii

B. i,ii,iv

C. i,iii,iv

D. All of above

**Answer: B**



**Watch Video Solution**

**81.** *Drosophila melanogaster* genome consists of

A. 3 pair of autosome + one pair of allosome

B. 2 pair of autosome + 2 pair of allosome

C. 1 pair of autosome + 3 pair of allosome

D. 2 pair of autosome + 1 pair of allosomes

**Answer: A**



**Watch Video Solution**

**82.** Genotype of male plant is TT and genotype of female plant is tt. What would be the genotype of endosperm?

A. TTt

B. Ttt

C. Tt

D. tt

**Answer: B**



**Watch Video Solution**

**83.** With respect to the ABO group, there are four major blood types because this blood group is determined by

- A. Three alleles, all of which are recessive
- B. Three alleles, of which, two are recessive  
and the third is dominant
- C. Three alleles, of which two are co-  
dominant and the third is recessive.
- D. Three alleles, all of which are co-  
dominant

**Answer: C**





**Watch Video Solution**



**84.** Which one of the following symbols and its representation, used in human pedigree analysis is correct?

A.  = mating between relation

B.  = unaffected male

C.  = unaffected female

D.  = male affected

**Answer: A**



**Watch Video Solution**

**85.** Bioreactors have

- A. Foam control system, temperature control system
- B. Oxygen delivery system
- C. pH control system
- D. All the above

**Answer: D**



**Watch Video Solution**

**86.** which of the following is not the application of PCR ?

A. a

B. b

C. c

D. d

**Answer: D**



**Watch Video Solution**

**87.** Humulin is a

A. Natural insulin

B. Human insulin synthesized by genetically engineered E. coli

C. Human insulin synthesized by pancreas

D. Chemically synthesized insulin

**Answer: B**



**Watch Video Solution**

**88.** How many recombinant therapeutics have been approved for human use all over the world?

A. 10

B. 20

C. 30

D. 90

**Answer: C**



**Watch Video Solution**

**89.** Select the mismatch.

A. AIDS - ELISA test (Diagnosis)

B. Filariasis - Wuchereria (Causative organism)

C. Malaria - Anopheles mosquito (Causative agent)

D. Ringworm - Dry, Scaly lesions on skin (Symptoms)

**Answer: C**

---



**Watch Video Solution**