# BIOLOGY

# BOOKS - NTA MOCK TESTS

# NTA NEET TEST 101

Biology

**1.** Which of the following organ receive deoxygenated as well as Oxygenated blood ?

A. Liver

B. Kidneys

C. Lungs

D. Both (a) and (c )

**Answer: C**

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**2.** Find the incorrect statement from the following.

A. Majority of Euglenoids are fresh water organisms found in statement water.

B. Slime moulds are saprophytic Protists.

C. All protozoans are heterotrophic and live as predators of saprophytes.

D. Dinoflagellates are mostly marine and photosynthetic.

**Answer: C**

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**3.** The axon terminals of nerves contains

A. synaptic vesicles

B. dendrites

C. Myelin sheath

D. axon hillock

**Answer: A**

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**4.** In general zoophage or the virus that infect animals dose not have

A. ssRNA

B. ssDNA

C. dsRNA

D. dsDNA

**Answer: B**

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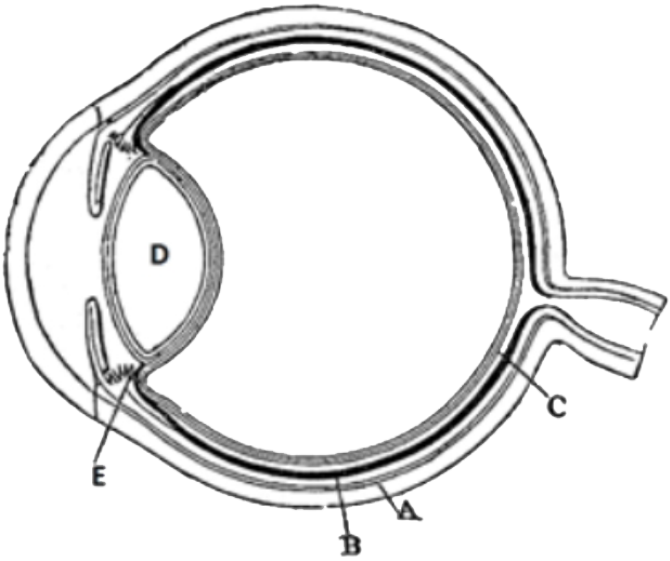
**5.** Which of the following labeling in the structure of eyes contains three layers of cells?




A. A – sclear

B. A – cornea

C. B – choroid

D. C – retina

**Answer: D**

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**6.** A tautonym is

A. non Latinised

B. same name for genus and species

C. common name used as scientific name

D. unscientific explanation of a phenomenon

**Answer: B**

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**7.** The administration of progestogens or progesterone-estrogen combinations within 72 hours of coitus has been found to be very effective as

A. emergency contraceptive

B. a major protocol in IVF techniques the

C. analgesics

D. Pregnancy inducing agent ?

**Answer: A**

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**8.** Tonoplast is a

A. Plasma membrane

B. Vacuolar membrane

C. Cytoplasmic membrane

D. all of these

**Answer: B**

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**9.** New cells generate from

A. bacterial fermentation

B. regeneration of old cell

C. pre-existing cell

D. non-living material

**Answer: C**

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**10.** Which of the following procedure is statutorily banned in India, although it helps to detect the chromosomal abnormality ?

A. Cigarette smoking

B. Use of drugs

C. Amniocentesis

D. Use of steroids

**Answer: C**

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**11.** Carbohydrates in cell membrane participate in

A. transportation of materials

B. cell to cell recognition

C. catalysing reaction

D. intrinsic molecules

**Answer: B**

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**12.** Select the correct option regarding Whittaker's five kingdom classification .

A. If differentiates between heterotrophic fungi and autotrophic green plants.

B. Chlamydomonas and Mushroom were placed together in algae

C. Paramecium and Chlorella were placed in same kingdom

D. Both (A) and (C)

**Answer: D**

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**13.** Choose the incorrect match.

A. First month : formation of heart begins.

B. Second month : development of limbs and digits

C. Third month : most of the major organ systems are formed .

D. Sixth month : first movements of the fetus is sensed

**Answer: D**

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**14.** Phytophogous are

A. the insects that feed on plant sap

B. the phagocytosing cells of plants that kills the plant pathogens

C. the virus that eats plant cells

D. none of these

**Answer: A**

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**15.** वह हॉर्मोन, जो दुग्ध के स्त्रावण को उत्तेजित करता है

A. luteotrophin

B. prolactin

C. oxytocin

D. both a and b

**Answer: D**

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**16.** Centromere is that part of chromosome where

A. nicking occurs

B. chromatids are attached

C. Nucleoli are formed

D. Crossing-over takes place

**Answer: B**

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**17.** Cyclic menstruation is an indicator of the .... and extends between ...and .....

A. a-normal reproductive phase, b-menopause, c-menarche

B. a-normal reproductive phase, b-menarche c-menopause

C. a-degenerative reproductive phase, b-menarche , c-menopause

D. a-normal reproductive phase,b-menopause, c-menarche

**Answer: B**

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**18.** Gene for colour blindness in man is located on

A. both X and Y chromosome

B. Y-chromosome only

C. X-chromosome only

D. either X - chromosome or Y-chromosome

**Answer: C**

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**19.** Which of the following is a histopathological examination ?

A. Computed tomography

B. MRI

C. X-rays

D. Biopsy

**Answer: D**

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**20.** Bacteria protect themselves from viruses by fragmenting viral DNA with

A. ligase

B. endonuclease

C. exonuclease

D. gyrase

**Answer: B**

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**21.** Which of the following is an incorrect statement regarding benign tumor ?

A. Remain confined to their original location

B. The do not spread to other parts

C. These cells grow very rapidly

D. They cause little damage

**Answer: C**

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**22.** In a transcription unit promoter is said to be located towards :-

A. 5 ' end of the structural gene

B. 3' end of the structural gene

C. 5' end of the structural gene

D. 3' end of the coding gene

**Answer: A**

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**23.** The amino acid coded by 3 codons is

A. Proline

B. isoleucine

C. tryptophan

D. serine

**Answer: B**

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**24.** Bacteria responsible for pneumonia is :-

A. streptobacilli and Haemophilus influenzae

B. Pneumococcus pneumoniae and Diplococcus influenzae

C. Lactococcus pneumonia and Thermophilius influenzae

D. Streptococcus pneumoniae and Haemophilus influenzae

**Answer: D**

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**25.** If a plant with genotype AaBb is self-fertilized , the probability of getting AABB genotype will be ( A and B are not liked )

A. $1/2$

B. $1/4$

C. $1/3$

D. $1/16$

**Answer: D**

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**26.** The livestock production in India is china is .....

A. $35\ \%$

B. $10\ \%$

C. $25\ \%$

D. $45\ \%$

**Answer: C**

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**27.** Which one of the following is an example of ex-situ conservation ?

A. sacred groves

B. wildlife sanctuary

C. seed bank

D. biosphere reserves

**Answer: C**

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**28.** Generative cell , nucellus , antipodals , stigma, embryo, endosperm , secondary nucleus , megaspore

How many of the above are haploid ?

A. 2

B. 3

C. 4

D. 5

**Answer: B**

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**29.** A dikaryotic stage is observed in

A. Phycomycetes

B. Zygomycetes

C. Deuteromycetes

D. Basidiomycetes

**Answer: D**

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**30.** The extinction of dinosaur took place

A. before the origin of seaweeds.

B. before the origin of first amphibian.

C. when the rise of modern fishes, birds , and placental mammals were seen

D. after the the origin of turtles .

**Answer: C**

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**31.** Choose the correct match from the following.

A. collagen - most abundant protein in the biosphere

B. GLUT-4 - enables glutamine transport into cells

C. receptor - proteins that receive smell and taste

D. trypsin - hormone used during digestion of food

**Answer: C**

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**32.** From the options given below , choose the one with the lowest cranium capacity compared to the rest.

A. Homo sapiens neanderthalensis

B. Home habilis

C. Homo sapiens

D. Java man

**Answer: C**

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**33.** CJD, black stem rust of wheat & potato spindle tubes disease are respectively caused by

A. tobacco mosaic virus , viriod, prions

B. prions , Puccinia, viriod

C. prions , Ustilago , mycoplasma

D. viriod tobacco mosaic virus , parasitic fungi

**Answer: B**


**34.** Which of the following vertebrae organ/s receives only Oxygenated blood ?

a. Heart

b. Lungs

c. Liver

d. Spleen

e. Gills

A. a,b & d

B. c & d

C. a,c & d

D. only d

**Answer: D**

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**35.** Which of the following base-pairing rules is correct ?

A. Adenine with guanine and thymine with cytosine

B. DNA base pairing is non-specific

C. Adenine with cytosine and guanine with thymine

D. Adenine with thymine and guanine with cytosine

**Answer: D**

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**36.** Which of the following cell junction is highly permeable and cause easy passage of substance across the cell membranes ?

A. Tight junction

B. Adhering junctions

C. Gap junctions

D. Desmosomes

**Answer: C**

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**37.** How many RNA polymerase are present in a bacterial system ?

A. 4

B. 2

C. 1

D. 3

**Answer: C**

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**38.** How many statements are correct regarding the organisms show in following figure ?

a) It belongs to the class Cyclostomata.

b) It has 6 to 15 pairs of gill slits .

c) Their body is devoid of scales.

d) In males, pelvis fins bear claspers .

A. One

B. Two

C. Three

D. Four

**Answer: C**

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**39.** When the solute has been added to the solution, it water potential will

A. increases

B. decreases

C. first increases and then decreases

D. remains unchanged

**Answer: B**

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**40.** Which of the following characters stand true for Antedon ?

A. Spiny-bodied and organ level of organisation

B. Mouth on the dorsal side and anus on the ventral side

C. Exclusively marine and triploblastic

D. Has a pseudocoelom

**Answer: C**

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**41.** Choose the wrong statement from the following.

A. Neurospora is used in the study of biochemical genetics.

B. Morels and truffles are poisonous mushroom which cannot be consumed.

C. Yeast is unicellular and useful economically in fermentation.

D. Penicillium is multicellular and used for the production of antibiotics.

**Answer: B**

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**42.** Select the incorrect statement from the following about the anatomy of angiosperms.

A. The cells of medullary rays , adjoining the intrafascicular cambium becomes

meristematic and forms interfascicular cambium.

B. In isobilateral leaf, the mesophyll is undifferentiated into palisade and spongy parenchyma.

C. Vascular bundles in a dicot stem are arranged in a scattered manner.

D. Bulliform cells are observed in the levels of some monocots

**Answer: C**

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**43.** Partially digested semisolid food formed in stomach is

A. micelle

B. chyle

C. faeces

D. chyme

**Answer: D**

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**44.** All of the following are lateral meristems, except

A. fascicular cambium

B. phellogen

C. intercalary meristem

D. interfascicular cambium

**Answer: C**

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**45.** Which of the following factors helps in the study of effects on the binding of oxygen with haemoglobin ?

A. Partial pressure of carbon dioxide

B. Hydrogen ion concentration

C. Partial pressure of oxygen

D. All of the above

**Answer: D**

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**46.** How many rounds of Kreb's cycle are required to produce $6FADH_2$ molecules ?

A. 3

B. 6

C. 12

D. 1

**Answer: B**

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**47.** An Rh-positive male gets married to an Rh-negative female. During their second pregnancy, which of the following events would be observed ?

A. Rh incompatibility disease

B. Erythroblastosis foetalis

C. Muscular dystrophy

D. Both ( A) and (B)

**Answer: D**

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**48.** A patient brought to a hospital with myocardial infraction is normally immediately given

A. penicillin

B. statins

C. streptokinase

D. cyclosporin A

**Answer: C**

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**49.** How many statements/s are true ?

A. Temperature is the most relevant ecologically environmental factor. It ranges from subzero levels in polar areas and high altitudes to $> 50^{\circ} C$ in tropical deserts in summer.

B. A few organisms can tolerate and thrive in a wide range of temperature they are called eurythermal.

C. The productivity and distribution of plants

are also heavily dependent on water .

D. In the aquatic environment , the sediment characteristics often determine the type of benthic animals that can thrive there.

A. One

B. Two

C. Three

D. Four

**Answer: D**

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**50.** The fluid which is present outside the cell in Interstitial space forms due to

A. the leakage of fluid outside the blood vessels.

B. the secretions of the choroid plexus of the brain.

C. the gaseous diffusion across the alveoli.

D. All of the above

**Answer: A**

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**51.** The pyramid of biomass shows a sharp .....at higher trophic levels.

A. decrease in biomass

B. increase in biomass

C. decrease in number

D. increase in number

**Answer: A**

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**52.** Plant succession is the gradual predictable change in species composition of an area. It starts with pioneer community which leads to stable climax community which results in a.....condition.

A. hydric

B. xeric

C. mesic

D. halophytic

**Answer: C**

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**53.** The atrial wall of our heat secretes a very important peptide hormone called _____, which _____ because it causes dilation of the blood vessels. Choose the option which correctly fills the blank.

A. Rennin , increase the blood pressure

B. Angiotensiongen , decreases the blood pressure

C. Atrial natriuretic factor, increases the blood pressure

D. Atrial natriuretic factor, decreases the blood pressure

**Answer: D**

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**54.** Which of the following steps are catalysed by Taq polymerase in a PCR reaction ?

A. Denaturation of template

B. Annealing of primers to template DNA

C. Extension of primer end on template DNA

D. All of the above

**Answer: C**

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**55.** According to Euro-IV norms level of 'S' in Diesel and Petrol should be:-

A. 50 p.p.m

B. 150.p.p.m. and 350 p.p.m.

C. 20 p.p.m 150 p.p.m.

D. 350 p.p.m 500 p.p.m.

**Answer: A**

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**56.** The amount of urea which is excreted out in the urine per day of an adult human is

A. 25 to 30 grams

B. 1 to 1.5 grams

C. 18 grams

D. 100 grams

**Answer: A**

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**57.** Select the correct statement. from the following .

A. Gymnosperm are both homosporous and hetersporous.

B. Marsilea, Ginkgo and Pinus all are gymnosperms

C. The leaves of gymnosperms are not well adapted to extremes of climate.

D. The giant redwood tree Sequoia is one of the tallest tree species.

**Answer: D**

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**58.** Inflammation of joints due to accumulation of uric acid crystals is called as

A. Muscular spasm

B. Tetany

C. Gout

D. Osteoporosis

**Answer: C**

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**59.** During autumn, a boy notices that road is littered with orange leaves He looks up to find that the tree is devoid of most leaves, while some of them are still falling . The phytohormone responsible for this causes .....

A. development of carotenoids and dehiscence of leaves.

B. destruction of chlorophyll and senescence.

C. inhibits seed germination and promotes dormancy.

D. desiccation of leaves and subsequent falling.

**Answer: B**

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**60.** Identify the incorrectly matched joint of the body.

A. Ball and socket joint : between femur and pelvic girdle

B. Hinge joint : between Atlas and axis

C. Pivot joint : between Atlas and axis

D. Gliding joint : between carpal and metacarpal of thumb

**Answer: D**

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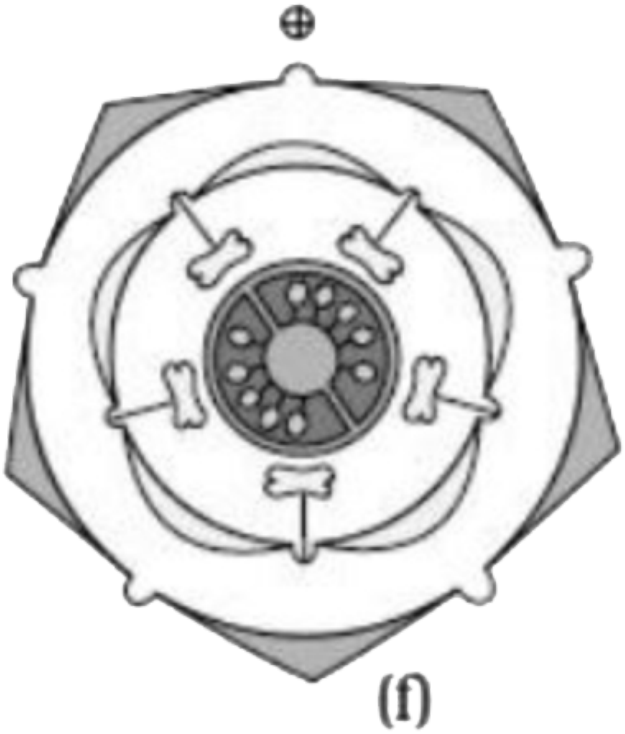
**61.** The plant which have this floral diagram possesses

A. Papilionaceous corolla

B. Swollen placenta

C. Epipetalous

D. Epiphyllous condition




A. A,B,C,D

B. A,B

C. B,C

D. C,D

**Answer: C**

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**62.** Which of the following gland will undergo atrophy during puberty ?

A. Adrenal gland

B. Parathyroid gland

C. Thyroid gland

D. Thymus

**Answer: D**

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**63.** In the year 1963 , the two enzymes responsible for restricting the growth of bacteriophage in Escherichia coli were isolated . They were respectively

A. Ligase, Restriction endonuclease

B. Helicase, Restriction endonuclease

C. Methylase , Restriction endonuclease

D. DNA polymerase, Restriction endonuclease

**Answer: C**

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**64.** Which of the following is drug produced by genetic engineering and is used in the treatment of cancer ?

A. Alpha- interferon

B. Human growth hormone

C. Insulin

D. Calcitonin

**Answer: A**

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**65.** The genotypes of a husband and wife are $I^A I^B$ and $I^A i$. Among the blood types of their

children, how many different genotypes and phenotypes are possible?

A. 3 genotypes , 4 phenotypes

B. 4 genotypes , 3 phenotypes

C. 4 genotypes , 4 phenotypes

D. 3 genotypes , 3 phenotypes

**Answer: B**

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**66.** The hormone which increases alertness pupillary dilation , piloerection is chemically:

A. Peptide hormone

B. Steroid hormone

C. Iodothyronine

D. Amino acid derivation

**Answer: D**

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**67.** When environmental conditions are favourable, then population growth curve will be

A. K shaped

B. J' shaped

C. S' shaped

D. straight line

**Answer: B**

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**68.** The Montreal protocol is related to :

A. Persistent organic pollutants

B. Global warming & climate change

C. Substances that deplete the ozone layer

D. Biosafety of genetically modified organisms

**Answer: C**

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**69.** A stable community is characterised by:

A. Constant productivity

B. Resistant to invasions by alien species

C. High resilience

D. All of the above

**Answer: D**

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**70.** The hormone of pars intermedia is responsible for :

A. Darkening of skin in lower vertebrates

B. Regulates the growth of the mammary glands and formation of milk in them

C. It stimulates milk ejection from the mammary gland

D. Stimulates the synthesis and secretion of steroid hormones called

glucocorticoids

**Answer: A**

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**71.** Algae reproducing by both isogamy and anisogamy is

A. Fucus.

B. Volvox.

C. Sprirogyra

D. None of these

**Answer: D**

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**72.** Unique features of bryophytes is that they

A. Produce spores

B. Have sporophyte attached to gametophyte

C. Lack roots

D. Lack vascular tissues

**Answer: B**

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**73.** Endosperm, a product of double fertilization in angiosperms is absent in the seeds of

A. Wheat

B. Groundnut

C. Maize

D. Castor

**Answer: B**

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**74.** Species diversity increases as one proceeds from:

A. High altitude to low altitude and high latitude to low latitude

B. Low altitude to high altitude and high latitude to low latitude

C. Low altitude to high altitude and low latitude to hight latitude

D. High altitude to low altitude and low latitude to high latitude

**Answer: A**

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**75.** Monosporic development refers to :

A. Single megaspore developing into the embryo sac

B. Single microspore mother cell producing tetrad pollens

C. Presence of single ovule in ovary

D. None of them is correct

**Answer: A**

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**76.** In which type of flowers, stigma , is hairy and sticky?

A. Insect pollinated

B. Wind pollinated

C. Water pollinated

D. All the above

**Answer: B**

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**77.** Select the correct statement.

A. Morgan carried out several dihybrid crosses in Drosophila to study the genes that were sex linked.

B. Sturtevant used the frequency of recombination between gene pairs on the same chromosome as a measure of the distance between genes and mapped their position on chromosome.

C. Phenylketonuria is an example of autosomal recessive inheritance.

D. Baveri united the knowledge of chromosomal segregation with Mendelian principles and called it the chromosomal theory of inheritance.

**Answer: D**

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**78.** Two parents having two loci incompletely linked and heterozygous in nature are crossed. What would be the distribution of phenotypic feature in the $F_2$ generation ?

A. Only parental phenotype

B. Only recombinant phenotype

C. High parental and low recombinant phenotype

D. Low parental and high recombinant phenotype

**Answer: C**

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**79.** Select the incorrect statement from the following.

A. The active enzyme has a tertiary structure having many substrate binding sites.

B. Enzymes are biocatalyst.

C. Enzymes lowers the activation energy of the reaction.

D. Enzymes are mainly protein in nature.

**Answer: A**

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**80.** Sweet potato is homologous to

A. Potato

B. Colocasia

C. Ginger

D. Maize

**Answer: D**

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**81.** Which of the following elements are essential for the photolysis of water ?

A. Manganese Potassium

B. Magnesium and Molybdenum

C. Magnesium and Chlorine

D. Manganese and Chlorine

**Answer: D**

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**82.** Find out the incorrect statement from the following .

A. Dark reaction depends on the product formed by light reaction.

B. In the stroma , enzymatic reactions incorporate $CO_2$ into the plant leading to the synthesis of sugar.

C. Purple and green sulphur bacteria use $H_2S$ as hydrogen donor.

D. There is no division of lobour in chloroplast, dark and light reaction occurs in same compartment.

**Answer: D**

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**83.** The role of carotenoids in photosynthesis is to

A. absorb light and transfer the energy to chlorophyll a.

B. Donate electrons to the electron transport system

C. protect chlorophyll a from photo - oxidation.

D. More than one option is correct

**Answer: D**

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**84.** Conversion of pyruvic acid into ethyl alcohol is facilitated by enzyme(s)

A. Carboxylase

B. Dehydrogenase

C. Decarboxylase and dehydrogenase

D. Phosphates

**Answer: C**

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**85.** The disease that is caused by fungal pathogen reported by E. Kurosawa in rice plant is :

A. Foolish seeding

B. Rust diseases

C. Smut disease

D. Both (A) and (B)

**Answer: A**

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**86.** Match of column and select the correct option.

| | Column-I | | Column-II |
|---|---|---|---|
| (A) | Autogamy | (i) | Both male and female flower on one plant |
| (B) | Bisexual | (ii) | Male and female flower in different plants |
| (C) | Monoecious | (iii) | Both androecium and gynoecium on the same flower |
| (D) | Dioecious | (iv) | Self-pollination |

A. $a - i, b - ii, c - iii, d - iv$

B. $a - iii, b - iv, c - ii, d - i$

C. $a - iv, b - iii, c - i, d - ii$

D. $a - iii, b - iv, c - i, d - ii$

**Answer: C**

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**87.** Prollen grains are well preserved as fossils because of the presence of:

A. Intine

B. Pectine

C. Cellulose

D. Sporopollenin

**Answer: D**

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**88.** A white pea plant is crossed a heterozygous violet pea plant. What will be characteristic of offspring .

A. 75% recessive

B. 50% recessive

C. 25% recessive

D. All dominant

**Answer: B**

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**89.** A colourblind man marries a normal vision woman whose father was colourblind. They

have a first child as a son. What are the chances that a child would be colourblind.

A. $25\ \%$

B. $50\ \%$

C. $100\ \%$

D. $0\ \%$

**Answer: B**

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**90.** The presence of a chromogenic substrate gives blue coloured colonies of bacteria. Insertional inactivation would stop product of which of the following enzyme such that colonies do not produce any colour.

A. Beta - galactosidase

B. Alpha galactrosidase

C. Alpha lactalbumin

D. All of the above

**Answer: A**

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