



BIOLOGY

BOOKS - NTA MOCK TESTS

NTA NEET SET 58

Biology

1. The cells that lines the ducts of mammary glands are

- A. Stratified columnar epithelium
- B. Stratified cuboidal epithelium
- C. Transitional epithelium
- D. Squamous epithelium

Answer: B



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2. Mark the correct option (w.r.t hydroponics)

- A. It can avoid problem of soil born pathogens
- B. It avoids problem of weeding
- C. Out of season vegetables and flowers can be obtained
- D. All of these

Answer: D

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3. Ciliate motile spores are called

- A. aplanospores
- B. Zoospores
- C. oospores

D. Conidia

Answer: B



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4. Sequential pills contains

- A. a high dose of estrogen
- B. moderate dose of progesterone
- C. both (a) and (b)
- D. high dose of FSH and LH

Answer: C



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5. The plant hormone that induces cell proliferation ,plant growth and development , trigger callus differentiation , embryogenesis , maintenance of root and shoot meristems , keep the cut flowers and vegetables fresh is

A. Gibberellins

B. Cytokinins

C. Auxins

D. Ethylene

Answer: B



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6. Sperm's acrosome has

A. Acid phosphatase , hyaluronic acid and proacrosin

B. Hyaluronic acid , acid phosphatase and Fertilizin

C. Hyaluronidase , proacrosin , and acid phosphatase

D. Fertilizin , proacrosin and acid phosphatase

Answer: C



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7. Select an incorrect statement w.r.t. capitulum inflorescence of sunflower

A. Main axis becomes a flat receptacle

B. Florest are sessile and many

C. Ray florest are bisexual

D. Disc florets are actinomorphic

Answer: C



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8. A bacterium divides every 35 minutes. If a culture containing 10^5 cells/ml is grown for 175 minutes. What will be the cell concentration / ml after 175 minutes

A. 32×10^5 cells

B. 5×10^5 cells

C. 35×10^5 cells

D. 175×10^5 cells

Answer: A



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9. Statement-I: Tiger is not an endangered animal in India .

Statement-II: project Tiger was launched to improve the population .

A. Both the statements are true

B. Both the statements are false

C. Statements -I is true and statements -II is false

D. Statements -I is false and Statement-II is true

Answer: A



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10. Which of the following was the transitional stage (connective link) between apes and humans

A. Homo habilis

B. Homo erectus

C. Australopithecus ramidus

D. Australopithecus africanus

Answer: C



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11. Identify the option that has correct statements regarding biofertilizers.

- a. Rhizobium and azotobacter are symbiotic microorganisms.
- b. Azospirillum and blue-green algae are non - synbiotic microorganisms .
- c. Mycorrhizae is the symbiotic phosphate solubilizing organism.
- d. Actinomycetes is the non-symbiotic nitrogen-fixing microorganism.

A. a and b are correct

B. a and d are correct

C. b and c are correct

D. b and d are correct

Answer: C



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12. Grafting is a technique, which involves ,

- i. A connection between the root system of two different plants .

ii. A composite plant production .

iii. The physical and physiological joining of two separate individuals.

iv. The plants used are non-cambium containing ones.

A. i,ii and iii only

B. ii and iii only

C. ii , iii and iv only

D. i and iv only

Answer: B



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13. Bivalves are also called as

A. Ray fish

B. Golden fish

C. Electric fish

D. Shell fish

Answer: D



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14. The fundamental cause of the sickle-cell disease is a change in the structure of :

A. blood

B. Capillaries

C. hemoglobin

D. red cells

Answer: C



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15. The total number of nitrogenous bases in human genome is estimated to be about

- A. 35 million
- B. 3.1 billion
- C. 3.5 million
- D. 35 thousand

Answer: B



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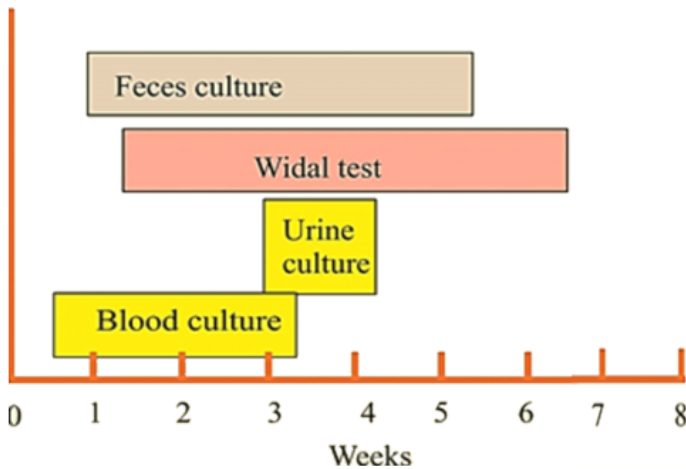
16. Turner syndrome and Klinefelter syndrome are all related to

- A. both 'X' chromosomes and 'Y' chromosome
- B. 'Y' chromosomes
- C. 'X' chromosomes
- D. neither 'X' chromosomes nor 'Y' chromosomes

Answer: C

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17. The below representation is for the diagnosis of fever ?



- A. Typhus
- B. Malarial
- C. Enteric
- D. Dengue

Answer: C

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18. Identify the circled phase of cell division .



- A. Prophase of mitosis
- B. Prophase of meiosis
- C. Interphase of meiosis
- D. Interphase of mitosis

Answer: A



19. How many types of RNA polymerase required for RNA synthesis ?

- A. In prokaryotes, three different types of RNA polymerase are required, where RNA polymerase II transcribes mRNA genes and 5S rRNA genes.
- B. In eukaryotes, three different types of RNA polymerase are required, where RNA polymerase II transcribes mRNA genes and 5S rRNA genes.
- C. In eukaryotes, three different types of RNA polymerase are required, where RNA polymerase II transcribes mRNA and hnRNA
- D. In eukaryotes, five different types of RNA polymerase are required, where RNA polymerase III transcribes mRNA, miRNA, snRNA and snoRNA genes.

Answer: C



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20. Yeast has become important in genetic engineering because it.

- A. Has plasmids that can be genetically engineered
- B. Allows the study of eukaryotic gene regulation and expression
- C. Grows readily and rapidly in the laboratory
- D. All of the above

Answer: D



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21. Pneumotaxic centre which can moderate the functions of the respiratory rhythm centre is present at

- A. Pons region in brain
- B. Thalamus

C. Spinal cord

D. Right cerebral hemisphere

Answer: A



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22. The bulk fixation of carbon through photosynthesis takes place in

A. Crop plants

B. Tropical rain forests

C. Ocean

D. Both crop plants and Tropical rain forests

Answer: C



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23. Identify the correct match w.r.t population .

- A. Goats and Abingdon tortoise -Amenealism
- B. Sea anemone and hermit crab-commensalism
- C. Cuckoo and crow-Brood parasitism
- D. Chlorella and Hydra -proto-cooperation

Answer: C



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24. Which of the following is a correct pair ?

- A. Cuscuta - parasite
- B. Vallisneria - insectivorous
- C. Opuntia - mesophyte
- D. Capsella - hydrophyte

Answer: A



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25. Which of the following are protozoans?

- A. Diatoms , chlomydomonas , paramecium
- B. Desmids, chlomydomonas, paramecium
- C. Amoeba , paramecium , plasmodium
- D. Amoeba , paramecium , chlomydomonas, plasmodium

Answer: C



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26. Which one of the following pairs is correctly matched with regard to the codon and the amino acid coded by it?

A. CCC -alanine

B. AAA-lysine

C. UUA-valine

D. AUG-cysteine

Answer: B



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27. Which of the following statement are/ is true for fungi ?

a. The branch of science which deals with the study of fungi is termed as mycetology.

b. Nutrition is heterotrophic and non - absorptive

c. The cell - wall contains cellulose , lignocellulose and chitin.

A. a and c

B. b only

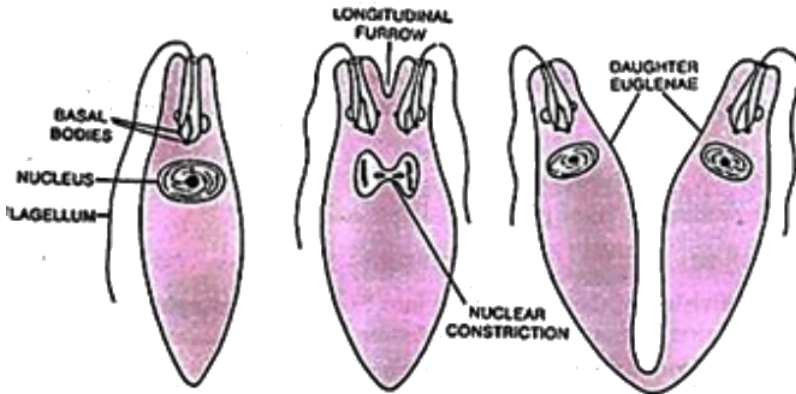
C. a only

D. a and d

Answer: C

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28. The given below diagram is the representation of



- A. Longitudinal binary fission in paramecium
- B. Longitudinal binary fission in euglena
- C. Transverse binary fission in chlamydomonas
- D. Transverse binary fission in dinoflagellates

Answer: B



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29. A monoclonal antibody differs from a polyclonal antibody in that monoclonal antibodies .

A. are labeled with chemicals that can be visualized .

B. are produced by cells from the same organism that produced the antigen.

C. are synthesized by population of identical , or "cloned", cells .

D. are synthesized only in living organisms.

Answer: C



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30. A volume of a healthy human blood is

A. 5 - 6 Litres

B. 8 - 9 Litres

C. 2 - 3 Litres

D. 10 - 12 Litres

Answer: A



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31. There are 10 flowers in one individual plant of *Crotalaria*. In each microporangium of every stamen of all the flowers there are 30 microspore mother cells. How many pollen grains are formed from that plant

A. 4000

B. 10000

C. 24000

D. 48000

Answer: D



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32. In sweet peas, genes C and P are necessary for colour in flowers . The flowers are white in the absence of either or both the genes . What will be the percentage of coloured flowers in the offspring of the cross $CcPp \times ccPp$?

A. 1

B. 0.75

C. 0.25

D. 0.5

Answer: C



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33. Statements I : Red data book has a record of all animals .

Statements II : Ex - situ conservation is the best method to protect endangered species .

- A. If both statement I and statement II are true and statement II is a correct explanation of statement I
- B. If both statement I and statement II are true and statement II is not a correct explanation of statement I
- C. If statement I is true but statement II is false
- D. If statement I is false but statement II is true

Answer: D



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34. Listed below are four respiratory capacities (i-iv) and four jumbled respiratory volumes of a normal human adult.

| Respiratory volumes and capacities | Volume of air |
|------------------------------------|---------------|
| (i) Residual volume | 1200 mL |
| (ii) Vital capacity | 4500 mL |
| (iii) Inspiratory reserve volume | 2500 mL |
| (iv) Inspiratory capacity | 3500 mL |

A. (ii) - (a), (iii) - (d)

B. (iii) - (c), (iv) - (a)

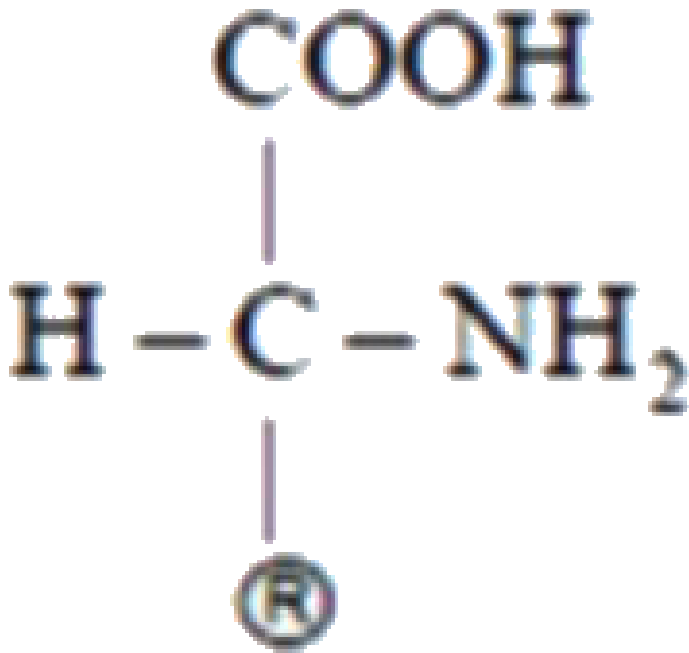
C. (iv) - (b), (i) - (c)

D. (i) - (d), (ii) - (b)

Answer: C



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35. _____ is the structure of α amino acid. Based on different R group the following amino acids are formed . Select the correct amino acid according to a different R group :

- A. $R \rightarrow H$ (alanine)
- B. $R \rightarrow CH_3$ (glycine)
- C. $R \rightarrow CH_2OH$ (serine)
- D. $R \rightarrow CH_3CH_2COOH$ (valine)

Answer: C



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36. Match the source gland with respective hormone as well as the function correctly .

A.

| Source gland | Hormone | Function |
|--------------|---------|----------|
|--------------|---------|----------|

| | | |
|--------------------|----------|--------------------------------------|
| Anterior pituitary | Oxytocin | Contraction of uterus muscles during |
|--------------------|----------|--------------------------------------|

B.

| Source gland | Hormone | Function |
|--------------|---------|----------|
|--------------|---------|----------|

| | | |
|---------------------|-------------|----------------------------------|
| Posterior pituitary | Vasopressin | Stimulates reabsorption of water |
|---------------------|-------------|----------------------------------|

C.

| Source gland | Hormone | Function |
|--------------|---------|----------|
|--------------|---------|----------|

| | | |
|---------------|----------|--------------------|
| Corpus luteum | Estrogen | Supports pregnancy |
|---------------|----------|--------------------|

D.

| Source gland | Hormone | Function |
|--------------|---------|----------|
|--------------|---------|----------|

| | | |
|---------|-----------|-------------------------------|
| Thyroid | Thyroxine | Regulates blood calcium level |
|---------|-----------|-------------------------------|

Answer: B



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37. Which of the following is correct regarding electron transport system of respiration ?

- A. NADH is directly oxidised by complex IV.
- B. Complex V is a mobile electron carrier.
- C. Complex IV cause the reduction molecular oxygen .
- D. Complex II contains two copper centres .

Answer: C



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38. Select the correct statements

- (A) From the region of elongation, some of the epidermal cell form root hairs
- (B) Pneumatophores are seen in Rhizophora
- (C) Adventitious roots are seen in the Banyan tree
- (D) Maize and sugarcane have prop roots

A. A and D

B. A,C and D

C. C and D

D. B and C

Answer: D



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39. Which one statement regarding plasma membrane is correct ?

A. Its outer and inner layer is electron-dense while the middle layer is electron transparent .

B. Its outer and middle layer is electron transparent while the inner layer is electron -dense.

C. Its outer and inner layer is electron transparent while the middle one is electron-dense.

D. All layers are electron -dense.

Answer: A



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40. Match the terms in column -I with their description in column -II and choose the correct option :

| Column – I | Column – II |
|---------------------------|---|
| (a) Dominance | (i) Many genes govern a single character |
| (b) Codominance | (ii) In a heterozygous organism, only one allele expresses itself |
| (c) Pleiotropy | (iii) In a heterozygous organism, both alleles express themselves fully |
| (d) Polygenic inheritance | (iv) A single gene influences many characters |

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

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

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

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

Answer: B



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41. Which one of the following statements is correct ?

- A. In tomato , the fruit is a capsule .
- B. The seeds of orchids have an oil-rich endosperm .
- C. The placentation in primrose is basal.
- D. The flower of tulip is a modified shoot .

Answer: D



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42. Which of the following statements is incorrect about metagenesis ?

- A. Alternation of asexual and sexual phases in the life cycle of Obelia is called metagenesis
- B. Metagenesis is similar to alternation of generations as found in plants
- C. Both the medusa and polyp are diploid
- D. Medusa is the sexual phase and polyp is the asexual phase

Answer: B



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43. Which of the following substances, if introduced into the blood system, would cause coagulation of blood at the site of its introduction

- A. Prothrombin
- B. Fibrinogen
- C. Thromboplastin

D. Heparin

Answer: C



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44. 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. (2) and (3)

B. (3) and (4)

C. (1) and (3)

D. (1) and (2)

Answer: C



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45. Match the following columns and Choose the correct combination from the given option :

| Column - I | Column - II |
|--------------|------------------|
| (A) Plantae | (1) Bacteria |
| (B) Fungi | (2) Euglenoids |
| (C) Protista | (3) Phycomycetes |
| (D) Monera | (4) Algae |

A.

| A | B | C | D |
|---|---|---|---|
| 4 | 3 | 2 | 1 |

B.

| A | B | C | D |
|---|---|---|---|
| 1 | 2 | 3 | 4 |

C.

| A | B | C | D |
|---|---|---|---|
| 3 | 4 | 2 | 1 |

D.

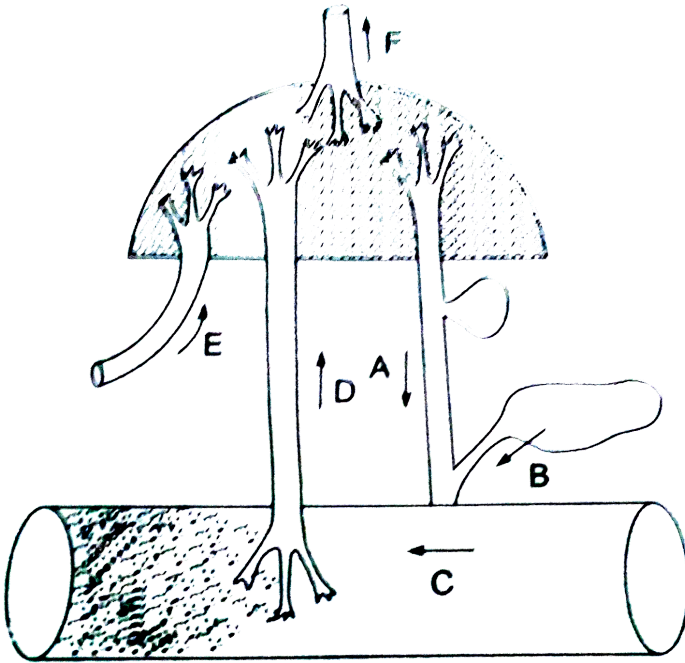
| A | B | C | D |
|---|---|---|---|
| 4 | 2 | 3 | 1 |

Answer: A



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46. The diagram given below [Fig] shows how things get to and from the liver. They are labelled as A, B, C, D, E and F. Which one of the following labellings is correct



Choose the correct option

- A. A is the hepatic portal vein and E is the hepatic vein
- B. C is the intestine and F is the hepatic portal vein
- C. D is the hepatic portal vein and F is hepatic vein

D. B is the pancreatic artery and E is the hepatic artery.

Answer: C



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47. Identify the characters of plant where 8-nucleate embryo sac was first studied by Strasburger

- (a) Micropyle, chalaza and funiculus in same vertical line
- (b) Both unisexual and bisexual flowers on same plant
- (c) Filiform apparatus conducts food from endosperm to egg apparatus
- (d) Long funiculus coils like watch spring around the ovule.

A. I and IV

B. II and III

C. I and II

D. III and IV

Answer: C



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48. Which of the following statements regarding food chain is false?

- A. In an aquatic ecosystem, grazing food chain is the major Conduit for energy flow.
- B. In terrestrial ecosystems, a large fraction of energy flows through detritus food chain.
- C. The detritus food chain being with dead organic matter .
- D. Primary consumers belong to the first trophic level.

Answer: D



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49. Biopiracy dose not involved

- A. Exploitation of bioresources with permission

B. Patenting bioresources without Authorization

C. Both Exploitation of bioresources and patenting bioresources without authorization

D. Utilization without authorization

Answer: A

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50. Read the following five statements (A-E) and answer as asked next to them

(A) In Equisetum the female gametophyte is retained on the parent sporophyte

(A) In Equisetum the female gametophyte is retained on the parent sporophyte

(B) In ginkgo male gametophyte is not independent

(C) Sexual reproduction in Volvox is isogamous

(E) The spores of slime moulds lack cell walls

How many of the above statements are correct

A. Two

B. Three

C. Four

D. One

Answer: D



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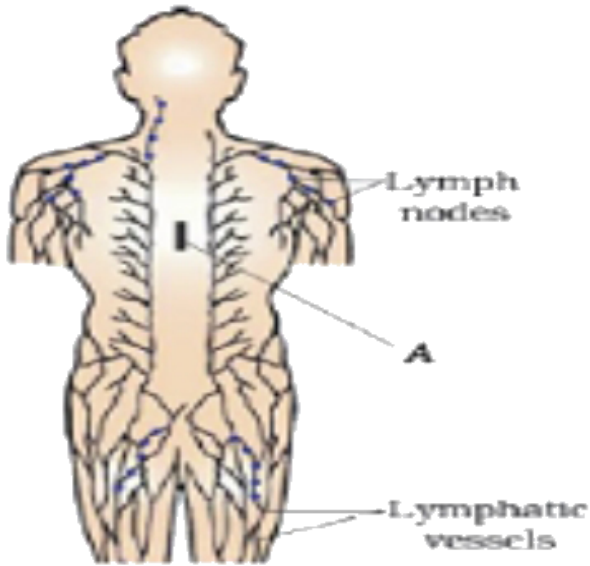
51. Which of the following features is correct about A ?

(A) Endocrine gland.

(B) Lymphoid organ .

(C) It is a part of M.A.L.T

(D) Maturation of T. lymphocyte and B lymphocytes .



A. A,B,D

B. B,C,D

C. A,B only

D. A,B,C,D

Answer: C



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52. Which of the following is not an important step in lactation ?

- A. Prolactin levels increase steadily during pregnancy.
- B. Estrogens and progesterone stimulate the growth and development of breasts throughout pregnancy.
- C. High prolactin level induces milk accumulation during pregnancy .
- D. After parturition, estrogen and progesterone level decreases and lactation occurs

Answer: C

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53. The respiratory quotient during cellular respiration would depend on

- A. nature of enzymes involved
- B. nature of substrate
- C. amount of carbon dioxide released

D. amount of oxygen utilized

Answer: B



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54. In a transverse section of a sunflower root :

- A. Both protoxylem and metaxylem vessels are present towards the periphery .
- B. Both protoxylem and metaxylem vessels are present towards the centre.
- C. The protoxylem vessels are present towards the centre and metaxylem vessels are present towards the periphery.
- D. The protoxylem vessels are present towards the periphery and metaxylem vessels are present towards the centre .

Answer: D



55. Which of the following statements are true/false

A. The blood transports CO_2 comparatively easily because of its higher solubility

B. Approximately 8.9% of CO_2 is transported being dissolved in the plasma of blood

C. The carbon dioxide produced by the tissues, diffuses passively into the blood stream and passes into red blood corpuscles and react with water to form H_2CO_3

D. The chloride ions diffuse from plasma into the erythrocytes to maintain ionic balance

A. I, III and V are true , II and IV are false

B. I, III and V are false , II and IV are true

C. I, II and IV are true , III and V are false

D. I, II and IV are false , III and V are true

Answer: A



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56. Select the two correct statements out of the four (1-4) given below about lac operon.

1. Glucose or galactose may bind with the repressor and inactivate it
2. In the absence of lactose the repressor binds with the operator region
3. The z-gene codes for permease
4. This was elucidated Francois Jacob and Jacque Monod

The correct statements are :

A. II and III

B. I and III

C. II and IV

D. I and II

Answer: C





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57. Based on cellular mechanisms there are two major types of regeneration found in the animals . Which one of the following is the correct example of the type mentioned?

- A. Epimorphosis - Regeneration of crushed and filtered out pieces of a Planaria into as many new Planarians.
- B. Morphallaxis - Regeneration of two transversely cut equal pieces of a Hydra into two small hydras
- C. Epimorphosis - Replacement of old and dead erythrocytes by the new ones.
- D. Morphallaxis - Healing up of a wound in the skin.

Answer: B



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58. Match the words in column I with those in column - II

| | Column I | | Column II |
|----|--------------|-------|--|
| a. | PCR | (i) | Detects and measures antibodies in the blood. |
| b. | ELISA | (ii) | Amplifies a single DNA sequence to generate thousands to millions of more copies of that particular DNA segment. |
| c. | Mantoux test | (iii) | Diphtheria |
| d. | Schick test | (iv) | Tuberculosis |

A. a(ii) , b(i) , c(iv), d(iii)

B. a(ii) , b(iv) , c(iii), d(i)

C. a(i) , b(iv) , c(ii), d(iii)

D. a(ii) , b(iii) , c(i), d(iv)

Answer: A



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59. Which one of the following cellular parts is correctly described

A. Centrioles - Sites for active RNA synthesis

B. Lysosomes - Optimally active at a pH of about 8.5

C. Thylakoids - Flattened membranous sacs forming the grana of chloroplasts.

D. Ribosomes - Those on chloroplasts are larger (80s) while those in the cytoplasm are smaller (70s) .

Answer: C



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60. Statement 1 : Cryopreservation is one of the best methods of germplasm storage.

Statement 2 : In cryopreservation , the cells remain in a state of suspended metabolism.

- A. Statement 1 is True, Statement 2 is True, Statement 2 is the correct explanation for statement 1
- B. Statement 1 is True, Statement 2 is True, Statement 2 is not the correct explanation for statement 1
- C. Statement 1 is True, Statement 2 is False
- D. Statement 1 is False, Statement 2 is True

Answer: A



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61. What does the term apical dominance mean ?

- A. Suppression of growth of apical bud by axillary buds in the presence of hormone
- B. Suppression of growth of axillary buds by the presence of apical buds under the effect of hormone auxins.

C. Suppression of growth of axillary buds by the presence of apical buds under the effect of hormone cytokinins.

D. Suppression of growth of apical buds by the presence of axillary buds under the effect of hormone cytokinins.

Answer: B

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62. Which of the following ecosystem has the maximum amount of biomass production ?

A. Forest ecosystem

B. Grassland ecosystem

C. Pond ecosystem

D. Lake ecosystem

Answer: A



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63. Statement - I : Organic farming initiates sustainable development.

Statement - II: There is no need to use chemical fertilizers for crops which decreases the problem like biomagnification.

- A. Only statement - I - is correct
- B. Only statement - II is correct.
- C. Both statement - I and statement - II are correct.
- D. Both statement - I and statement - II are incorrect.

Answer: C



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64. An old piece of dicot stem and a dicot root is given to a candidate during practical examination . Which of the following anatomical structures can be used to distinguish between the two ?

- A. Secondary xylem
- B. Secondary phloem
- C. Protoxylem
- D. Cortical cells

Answer: C

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65. In which of the following condition transpiration will be minimum ?

- A. Good soil moisture
- B. High wind velocity
- C. Dry environment
- D. High atmospheric humidity

Answer: D

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66. What is the following is correct for the movement of DNA fragments on agarose gel during gel electrophoresis ?

- A. The larger the fragment size, the farther it moves
- B. The smaller the fragment size , the farther it moves
- C. Positively charged fragments move to farther end
- D. Negatively charged fragments do not move

Answer: B



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67. Angiosperms evolved during

- A. Triassic
- B. Jurassic
- C. Cretaceous

D. Eocene

Answer: C



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68. ADH is

- A. the hormone produced by the hypothalamus and secreted by the adenohypophysis that promotes reabsorption of water from the glomerular filtrate.
- B. the hormone produced by the hypothalamus and secreted by the neurohypophysis that promotes reabsorption of water from the glomerular filtrate.
- C. the hormone produced and secreted by the hypothalamus that promotes reabsorption of water from the glomerular filtrate.

D. the hormone produced and secreted by the neurohypophysis that promotes reabsorption of water from the glomerular filtrate.

Answer: B



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69. Humoral immunity is due to

- A. B - lymphocytes
- B. T - lymphocytes
- C. Neutrophils
- D. Macrophages

Answer: A



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70. The net pressure gradient that causes the fluid to filter out of the glomeruli into the capsule is

- A. 30 mm Hg
- B. 75 mm Hg
- C. 10 mm Hg
- D. 50 mm Hg

Answer: C



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71. Select the correct statement from the following .

- A. Biogas is produced by the activity of aerobic bacteria on animal waste
- B. Methanobacterium is an aerobic bacterium found in rumen of cattle

C. Biogas , commonly called gobar gas, is pure methane

D. Activated sludge - sediment in settlement tanks of sewage treatment plant is a rich source of aerobic bacteria

Answer: D



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72. It is an outcome of irregularities in metabolism of nitrogenous waste

A. Osteoporosis

B. Gouty arthritis

C. Osteoarthritis

D. Rheumatoid arthritis

Answer: B



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73. Mycoplasma differs from virus in being sensitive to

- A. Sugar
- B. Tetracycline
- C. Protein
- D. Amino acid

Answer: B



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74. Haemocyanin , the blue colour respiratory pigment of molluscs blood contains

- A. magnesium as the central metal ion.
- B. copper as the central metal ion.
- C. iron as the central metal ion.
- D. manganese as the central metal ion.

Answer: B



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75. Which one of the following is not true about the light reactions of photosynthesis ?

- A. P_{680} and P_{700} are the reaction centres of PS - I and PS - II respectively.
- B. Light energy provides energy for the photolysis of water through excitation of the reaction center of PS - II
- C. NADPH is not produced in cyclic electrons transport in light reaction.
- D. Reactions of the two photosystems are needed for the reduction of NADP.

Answer: A





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76. The bone matrix consist of

- A. 65% inorganic matter and 35% organic matter
- B. 30% inorganic matter arid and 70% organic matter
- C. 60% inorganic matter and 40% organic matter
- D. 40% inorganic matter and 60% organic matter

Answer: A



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77. In an area, a population with large size individuals having long life span, more parental care and slow development was present. The type of population growth curve will be

- A. S - shaped

B. J - shaped

C. Initially J - shaped then S - shaped

D. Initially S - shaped then J - shaped

Answer: A



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78. Production of a human protein in bacteria by genetic engineering is possible because

A. bacterial cell can carry out the RNA splicing reactions.

B. the human chromosome can replicate in the bacterial cell .

C. the mechanism of gene regulation is identical in humans and bacteria .

D. the genetic code is universal.

Answer: D

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79. In which one of the following techniques blastomeres up to 8 cell stage is introduced into the fallopian tube ?

- A. Intra cytoplasmic sperm injection (ICSI)
- B. Intra uterine insemination (IUI)
- C. Gamete intra fallopian transfer (GIFT)
- D. Zygote intra fallopian transfer (ZIFT)

Answer: D

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80. Which one the following is the species ?

- A. Carnivora
- B. Canis

C. Familiaris

D. Trypanosoma

Answer: C



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81. Ribs attached to sternum are

A. first seven pairs.

B. first ten Pairs

C. first eight pairs.

D. first five pairs.

Answer: A



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82. The columnar epithelium is found in

- A. Lining of intestine
- B. Lining of blood vessel
- C. Seminiferous tubule
- D. Uriniferous tubules

Answer: A



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83. Cu ions released from copper-releasing intra uterine devices (IUDs)

- A. makes uterus suitable for implantation.
- B. increase phagocytosis of sperms.
- C. prevent ovulation.
- D. suppress sperm motility

Answer: D



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84. The chromosome complement of the somatic cells in all human being is

- A. 21 pairs of autosomes and one pair heterosome
- B. 23 pairs of autosomes and one pair heterosome
- C. 22 pairs of autosomes and one pair heterosome
- D. 22 pairs of autosomes and one pair of XY chromosomes

Answer: C



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85. Insulin is

A. a homopolymer of glucose.

B. a heterpolymer og glucose.

C. a homopolymer of fructose.

D. a heterpolymer og fructose

Answer: C



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86. Number of meiotic divisions required to produce 200/400 seeds of Pea would be

A. 200 - 400

B. 400 - 800

C. 300 - 600

D. 250 - 500

Answer: D



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87. There are two opposing views about origin of modern man. According to one view Homo erectus in Asia were the ancestors of modern man. A study of variation of DNA however suggested African origin of modern man. What kind of observation on DNA variation could suggest this ?

- A. Greater variation in Asia than in Africa
- B. Greater variation in Africa than in Asia
- C. Similar variation in Africa and Asia
- D. Variation only in Asia and no variation in Africa

Answer: B



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88. Vital index of population is

A. $\frac{B}{D} \times 100$

B. $B - D$

C. $\frac{D}{E} \times 100$

D. $B + D$

Answer: A



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89. Transfusion tissue is found in

A. Cycas stem

B. Cycas leaflet

C. Cycas petiole

D. Cycas root

Answer: B



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90. Which of the following is an example of conditioned reflex ?

- A. Hand withdraws when pierced with a needle
- B. Eyes closed , when anything enter into it
- C. During digestion food goes forward in alimentary canal
- D. Trained dog salivates when you ring a bell

Answer: D



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