Answer all the questions. Each question is provided with four alternative responses. Select the correct one from the letter choices (a,b,c,d) and bubble your choice in the OMR Sheet. (1x100 = 100 Marks)

| 1. | An | animal viral vector | | |
|----|-----|--------------------------------------|-------|---|
| | a) | CMV | b) | TMV |
| | c) | SV40 | d) | Gemini |
| 2. | Wh | nich one is a cryoprotectant | | ters. |
| | a) | DMSO | b) | sodium chloride |
| | c) | EDTA | d) | sucrose |
| 3. | Wh | nich among is Pencillin resistant | micr | roorganism |
| | (a) | Mycoplasma | b) | Staphylococcus |
| | c) | Mycobacterium | d) | Ecoli |
| 4. | Me | esophile has growth optimum at | | |
| | a) | 20 - 45°C | b) | 0-15°C |
| | c) | 55 - 65°C | d) | 20-30°C |
| 5. | A | culture started with 4 cells and end | led w | rith 128 cells. How many generations |
| | die | d the cells go through: | | |
| | a) | 64 | b) | 32 |
| | c) | 5 | d) | 4 |
| 6. | W | hich organism is coming under G | RAS | status |
| | a) | E.coli | b) | pseudomonas |
| | c) | Lactobacillus | d) | Bacillus ' |
| | | | | |

| 7. | An | algal biofertilizer | | | |
|-----|----|--------------------------------|-------|--------------------------------|-----|
| | a) | Chlorella | b) | Plectonema | |
| | c) | Azatobacter | d) | Azospirillum | |
| | | मार्ग भी | | 9 PWO 1 | _ |
| 8. | An | example of sedimentary type of | nutri | ent cycle is | |
| | a) | Nitrogen cycle | b) | Carbon cycle | |
| | c) | Phosphorous cycle | d) | All of the above | |
| 9. | WI | nich one is biopreservative | | AITIA | |
| | a) | Acetic acid | b) | Sulphuric acid | |
| | c) | Nitric acid | d) | Hydrochoric acid | |
| 10. | WI | no introduced vaccination? | | | |
| | a) | Pasture | b) | Koch | |
| | c) | Edward Jenner | d) | Alexander Fleming | |
| | | -3*0E-0S-1B | | | |
| 11. | Ke | ey feature of innate immunity | | | |
| | a) | Specific | | In born | |
| | c) | Unstable | d) | Aquired | |
| 12. | | considering diffusion of ions | | gh an ion channel, which drivi | ing |
| | a) | The ion concentration gradient | b) | The electrical gradient | |
| | c) | Facilitated diffusion | d) | both a and b | |
| | | | | | |

| 13. | | aich of the following intracellula 2+ for full activity? | r or p | plasma membrane proteins require |
|-----|-------------|--|-----------------|-------------------------------------|
| | a) | Calmodulin | b) | JAK kinase |
| | c) | protein kinase A | d) | guanylyl cyclase |
| 14. | Wh | nat region of the brain contains | the p | rimary visual cortex? |
| | a) | the occipital lobe | b) | the frontal lobe |
| | c) | the temporal lobe | d) | the somatosensory cortex |
| 15. | An | tidepressant medications most c | ommo | only target which neurotransmitter? |
| | a) | acetylcholine | b) | dopamine |
| | c) | histamine | d) | serotonin |
| 16. | a) b) c) d) | M lines remain the same distance a Z lines move closer to the ends of th A bands become shorter I bands become wider | part ne A ba | |
| 17. | W | hen a person engages in strenuc | ous ex | ercise |
| | a) | blood flow to the kidneys is reduced | d b) | cardiac output is reduced |
| | c) | total peripheral resistance increase | es d) | systolic arterial blood pressure is |
| | re | duced | | estil bigani p. e. |
| 18. | W | hich of the following is not true | abou | t asthma? |
| | a) | the basic defect is chronic airway in | nflamn | nation |
| | b) | it is always caused by an allergy | | |
| | c) | the airway smooth muscle is hyper | respor | asive |
| | d) | it can be treated with inhaled stero | oid the | rapy |
| | | | . 5 | |

| 19. An increase in rennin is caused by | |
|--|---|
| in godium intake | |
| a) a decrease in soulding interestb) a decrease in renal sympathetic nerv | |
| in blood pressure in the | renal artery |
| d) an aldosterone -secreting adrenal tu | imour and all to nongressilly and |
| 20. Which of the following will not lea | ad to a diuresis? |
| a) excessive sweating | b) central diabetic insipiacis |
| c) nephrogenic diabetes insipidus | d) excessive water intake |
| 21. Which component of bile is not pro- | rimarily by hepatocytes? |
| a) bicarbonate | b) bile salts |
| c) cholesterol | d) lecithin |
| 22. Part of nucleic acid used to find | a gene by hybridization is called |
| a) vector | b) clone |
| c) probe | d) cybrid |
| A segment of DNA that reads from | om the same forward and backward is calle |
| a) palindromic DNA | b) complementary DNA |
| c) plasmid DNA | d) copy DNA |
| 24. Which one of the following org | ganism is used for the large scale production |
| of recombinant insulin? | |
| a) Plasmodium | b). Agrobacterium |
| c) Rhizobium | d). E.coli |
| | •6• |
| SUB | JECT CODE: 11 |

| 25. | Ha | ploid plants can be obtained thr | ough | | |
|-----|---------------------------------|-----------------------------------|--------|-------------------------------|-------|
| | a) | meristem culture | b) | embryo culture | |
| | c) | endosperm culture | d) | pollen culture | |
| 26. | Do | lly, the first animal produced th | rough | cloning is | all a |
| | a) | camel maintenant ld | b) | rat | |
| | c) | cow | d) | sheep | Pa |
| 27. | Th | e resolving power of light micro | scope | is a second transfer to the | |
| | a) | 0.1 micron | b) | 0.2 micron | |
| J | c) | 0.3 micron | d) | 0.4 micron | |
| | a)c) | Organophosphate Carbamate | | Organocholrine None of these | |
| 29. | In | cryopreservation, cells are prese | erved | in well in any add to do | taw . |
| | a) | Carbondioxide | b) | Oxygen | |
| | c) | Liquid nitrogen | d) | Helium | |
| 30. | In | ternet explorer is used for | T30 70 | s ton alignization and he see | nfw . |
| | a) | Chating | b) | Browsing | |
| | c) | Videoconferencing | d) | Networking | |
| | | | | | |

| | None digestable carbohydrate is a) Cellulose | b) Lactose |
|-----|---|---|
| | c) Starch | d) Sucrose |
| 32. | The process of removal of stamen from | om flower during hybridization is calle |
| | a) Grafting | b) Emasculation |
| | c) Sterilization | d) Crossing |
| 33 | 3. All cells of an earthworm have the | following components except |
| 1. | a) mitochondria | b) nuclei. |
| | c) plasma membranes | d) cell walls |
| 3/ | 4. Bacteriophages are | abidesouth to our distant of POCT |
| U | a) bacteria that infect viruses | b) bacteria that are parasitic. |
| | c) viruses that infect bacteria | d) viruses that are parasitic |
| - | 25 Which of the genetic diseases sta | ted below is sex-linked? |
| | a) Cystic fibrosis | b) Haemophilia. |
| | c) Hypercholesterolemia | d) Tay-Sachs disease |
| | 36. Which of the following is not an | arthropod? |
| | a) Butterfly | b) Crayfish |
| | | d) Spider |

| 7. A mass of fungal filaments is called a | |
|---|--|
| a) colony | b) hyphae. |
| c) mycelium | d) mycorrhizae |
| 8. Radiant energy converted to potentia | al energy by |
| a) Consumers | b) Producers |
| c) Decomposers | d) All of these |
| 39. The odourless component of LPG | in the discuss that affect many people |
| a) Butane | b) Propane |
| c) Ethane | d) Ethyl mercaptan |
| 40. An algae which produce hydrogen a | gas - Impara a ton si unnon abilitir a |
| a) Chlamydomonas | b) Chlorella |
| c) Spirogyra | d) Spirulina |
| 41. The 1st World Climate Conference | held in |
| a) Geneva | b) London |
| c) Vienna | |
| 42. The term ecosystem was proposed | l by the state of pailings as besoquing only |
| a) Carl Mobino | b) A.Tansley |
| c) E.Odum | d) E.Clement |
| | • 9 • |

| a) colony c) mycelium d) mycorrhizae 3. Radiant energy converted to potential energy by a) Consumers b) Producers c) Decomposers d) All of these 9. The odourless component of LPG a) Butane c) Ethane b) Propane c) Ethane d) Ethyl mercaptan 10. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 11. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 12. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley c) E.Odum d) E.Clement | | | ass of fungal fila | | | | |
|---|------|-----------------|--|-----------------|----------------|-------------------|--|
| 3. Radiant energy converted to potential energy by a) Consumers b) Producers c) Decomposers d) All of these 3. The odourless component of LPG a) Butane b) Propane c) Ethane d) Ethyl mercaptan 40. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | a | 1) | colony | | b) | hyphae. | |
| a) Consumers b) Producers c) Decomposers d) All of these 9. The odourless component of LPG a) Butane c) Ethane b) Propane c) Ethane d) Ethyl mercaptan 9. Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | c | e) | mycelium | d) Prolime | d) | mycorrhizae | d) Palymering |
| a) Consumers c) Decomposers d) All of these 9. The odourless component of LPG a) Butane b) Propane c) Ethane d) Ethyl mercaptan 10. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | 3. I | Rac | liant energy conv | verted to poten | tial er | nergy by | |
| 9. The odourless component of LPG a) Butane b) Propane c) Ethane d) Ethyl mercaptan 9. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | 8 | a) | Consumers | | b) | Producers | |
| a) Butane c) Ethane d) Ethyl mercaptan 40. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | (| c) | Decomposers | metagge th | d) | All of these | o logori (3 |
| a) Butane c) Ethane d) Ethyl mercaptan O. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | 9. | Th | e odourless comp | onent of LPG | | | |
| C) Ethane d) Ethane d) Ethane O. An algae which produce hydrogen gas a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 41. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | 1 | a) | Butane | | b) | Propane | |
| a) Chlamydomonas b) Chlorella c) Spirogyra d) Spirulina 11. The 1st World Climate Conference held in a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | 1 | c) | Ethane | | d) | Ethyl mercaptan | |
| a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | | a) | Chlamydomonas | | b) | Chlorella | |
| a) Geneva b) London c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | | - 60 | ~ . | | d) | Spirulina | Timed to |
| a) Geneva c) Vienna d) Paris 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | | c) | Spirogyra | es Rullation | d) | Spirulina | o Design |
| c) Vienna 42. The term ecosystem was proposed by a) Carl Mobino b) A.Tansley | 41. | | | | | | |
| a) Carl Mobino b) A.Tansley | 41. | TI | he 1 st World Clima | ate Conference | held | in The Land | na anodokosnič |
| a) Carried L. E. Clement | 41. | TI a) | he 1 st World Clima Geneva | ate Conference | e held | in London | na encaptosetă |
| c) E.Odum d) E.Clement | | Tl a) c) | he 1 st World Clima Geneva Vienna | ate Conference | held b d | in London Paris | and have a proposed to the second sec |
| | | TI a) c) | he 1 st World Clima Geneva Vienna | ate Conference | held b d | in London Paris | and have a proposed to the second sec |

| a) Carbohydrate c) Polysaccharide b) Lipid d) Protien 4. Edible vaccine for foot & mouth disease a) Banana b) Tomato c) Potato d) Sugar beet 45. The disease that affect many people at different countries is termed a) Pandemic c) Epidemic d) Endemic 46. Which among is not a natural environment a) Wild life c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal c) Morghan d) Sutton | 3. C | hemical nature of agar | | |
|---|------|-------------------------------------|-------------------------------------|---|
| 4. Edible vaccine for foot & mouth disease a) Banana b) Tomato c) Potato d) Sugar beet 4. The disease that affect many people at different countries is termed a) Pandemic c) Epidemic d) Endemic 4. Which among is not a natural environment a) Wild life c) Dam c) Radiation 4. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 4. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | a) |) Carbohydrate | b) Lipid | |
| a) Banana b) Tomato c) Potato d) Sugar beet 45. The disease that affect many people at different countries is termed a) Pandemic b) Sporadic c) Epidemic d) Endemic 46. Which among is not a natural environment a) Wild life c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | c) |) Polysaccharide | d) Protien | |
| a) Banana c) Potato d) Sugar beet 45. The disease that affect many people at different countries is termed a) Pandemic b) Sporadic c) Epidemic d) Endemic 46. Which among is not a natural environment a) Wild life c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | 4. I | Edible vaccine for foot & mouth dis | | |
| 45. The disease that affect many people at different countries is termed a) Pandemic b) Sporadic c) Epidemic d) Endemic 46. Which among is not a natural environment a) Wild life b) Land c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | 8 | a) Banana | b) Tomato | |
| a) Pandemic b) Sporadic c) Epidemic 46. Which among is not a natural environment a) Wild life b) Land c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | (| e) Potato | d) Sugar beet | |
| a) Pandemic c) Epidemic d) Endemic 46. Which among is not a natural environment a) Wild life b) Land c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | 15. | The disease that affect many peopl | | |
| 46. Which among is not a natural environment a) Wild life b) Land c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | | a) Pandemic | b) Sporadic | |
| a) Wild life c) Dam c) Radiation 47. Mesosphere extend an altitude of a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | | c) Epidemic | d) Endemic | |
| a) 11 km b) 500km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | | a) (122 | | |
| a) 11 km c) 50km d) 90km 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | 47. | Mesosphere extend an altitude of | tod volvening Francisco bi now "Low | ī |
| 48. Who proposed coupling & repulsion hypothesis a) Bateson & Punnett b) Mendal d) Sutton | | a) 11 km | b) 500km | |
| a) Bateson & Punnett b) Mendal d) Sutton | | c) 50km | d) 90km | |
| a) Bateson & Punnett d) Sutton | 48. | Who proposed coupling & repulsi | | |
| () Succon | | a) Bateson & Punnett | 0) 112011441 | |
| | | c) Morghan | d) Sutton | |

| 49. | Hei | ight of man is an example of | | |
|-----|-----|-------------------------------------|-------|-------------------------------------|
| | a) | Monogenic inheritance | b) | Polygenic inheritance |
| | c) | Diplogenic inheritance | d) | None of these |
| 50. | In | which organism environment con | itrol | l sex determination |
| | a) | Rotifera | b) | Honey bee |
| | c) | Drosophilla | d) | Grass hoper |
| 51. | An | ther culture is mostly practised in | n | al potrollet off phoese dustill. To |
| | (a) | Water melon | b) | Sugarcane |
| 1 | c) | Rice | d) | Wheat |
| 52. | Th | ne plant cells are | | |
| | a) | Totipotet | b) | Omnipotent |
| | c) | Pleuripotent | d) | None of the above |
| 53. | W | hich among the following is not a | n at | axin and an end of the company of |
| | a) | NAA | b) | IBA |
| | c) | 2,4,D | d) | TDZ |
| 54. | W | hich among the following is a Typ | pe II | I restriction endonuclease |
| | a) | EcoP1 | b) | EcoR1 |
| | c) | EcoB | d) | EcoK EcoK |
| | + | • 1 | 11 •- | |

| 5. V | Whi | ch is the cofac | tor of T4 DNA lig | ase | | |
|------------|------|---------------------|--------------------|--------|---|-------------|
| 8 | a)] | NAD | | b) | SAM | |
| . (| c)] | Mg^{2++} | d) Nones the | d) | ATP | Diployer |
| 6. | Kle | now fragment | is found in | | | |
| | a) . | DNA pol II | | b) | DNA pol I | |
| | c) | DNA pol III | regard general 16 | d) | none of the above | dy acrid |
| 57. | Wh | ich among the | following is not | a ther | mostable polymera | ase |
| | a) | DNA pol III | | b) | Vent pol | |
| j | c) | Tth pol | | d) | Pfu pol | 44 19 |
| 58. | Ну | bridoma are s | elected in | | was also | |
| | a) | XAT medium | | b) | HAT medium | |
| | c) | YEB medium | | d) | LB medium | equipped to |
| 59. | Pl | aque lift is a | die in terms | en dor | at privation att a | |
| | a) | Sorthern blot | | b) | Western blot | |
| | c) | both a and b | | d | either a or b | U.S. to |
| 60. | . A | lpha complem | entation is not th | e feat | ure of | |
| | a) | | | |) pBR vectors | |
| | c | pbluescript ve | ectors | d |) pLITMUS vectors | |
| | | | | • 12 • | NEW CONTRACTOR OF THE PARTY OF | 2 |

| 61. | DNA of the cloned gene | | | | | | |
|-----|------------------------|--------------------------------------|-------|------------------------------------|--|--|--|
| | | | b) | M13mp18 | | | |
| | a) | | | | | | |
| | c) | pGEM3Z | d) | all of the above | | | |
| 62. | A : | sponge can be distinguished fr | om o | other animals by the presence o | | | |
| | a) | Hollow body | b) | Coelenteron | | | |
| | c) | Choanocytes | d) | dermal papillae | | | |
| | a) | Cnidaria | | Porifera | | | |
| | a) | Caldonio | | Porifera | | | |
| | c) | Platyhelminthes | d) | Annelida | | | |
| 64. | Pl | atyhelminthes are best described | as | | | | |
| | a) | flatworms, triploblastic, acoelomate | anim | als | | | |
| | b) | flatworms, diploblastic, acoelomates | 3 | | | | |
| | c) | flatworms, triploblastic, coelomates | | and the land statement of the line | | | |
| | d) | flatworms, triploblastic, pseudocoel | omate | es animals | | | |
| 65. | T | he life span of Ascaris is | | The deposit server | | | |
| | a) | 30 days | b) | About an year | | | |
| | c) | 6 months | d) | 8-10 months | | | |
| | | | | | | | |

| 6. Annelids are advanced over nem | atodes in having |
|---|---|
| a) Metameric segmentation | b) True coelom |
| c) Closed circulatory system | d) all of the above |
| 7. Pronounced cephalization is a c | haracteristic feature of |
| a) Echinoderms | b) Annelida |
| c) Arthropoda | d) Platyhelminthes |
| 8. Head, foot and visceral mass are | characteristic features of |
| a) Molluscans | b) Annelids |
| c) Echinoderms | d) Arthropods |
| a) Respiratory systemc) Nervous system | d) Internal skeletal system |
| 70. The three germ layers, namely e | ectoderm, endoderm and mesoderm are fou |
| in | |
| a) All the chordates only | |
| b) All the chordates except the pro- | otochordates |
| c) All the chordates and higher in | ivertebrates |
| d) Higher chordates and higher in | nvertebrates |
| 71. Persistence of larva traits is k | |
| a) Neogenesis | |
| c) Parthenogenesis | d) Pedomorphosis |
| | |

| 72. | | adial vascular bundles, limited arch xylem vessels are found in | | nber, with multiseriately arranged |
|-----|----|--|--------|-------------------------------------|
| | a) | Angiosperms | b) | Dicot Stems |
| | c) | Dicot roots | d) | Monocot stems |
| 73. | Gl | andular leaves, adnate stipules, | poly p | etalous flowers with superior ovary |
| | an | d Hesperidum fruits are found | in | |
| | a) | Rutaceae | b) | Lamiaceae |
| | c) | Umbelliferae . | d) | Myrtaceae |
| 74. | WI | nich among the following plant | has NO | O pyrenoid in its chloroplasts? |
| 1 | a) | Anabena | b) | Spirogyra |
| ſ | c) | Chlorella | d) | Chlamydomonas |
| 75. | | which of the following plant orangium on the gametophytic Marchantia | | phyte is seen growing erect as a |
| | c) | Anthoceros | d) | Riccardia |
| 76. | | nich among the following livi | | sue is seen as the mechanically |
| | a) | Parenchyma | b) | Collenchyma |
| | c) | Sclerenchyma | d) | Aerenchyma |
| 77. | Wł | nich of the following plant follo | ows An | eophilous pollination? |
| | a) | Leucas aspera | b) | Adathoda beddomei |
| | c) | Terminalia arguna | | Oryza sativa |
| | | | | |

| a) | Lemur | b) | Macaque |
|--------------------------------|---|----------------|--|
| c) | Loris | d) | Spider monkey |
|). Wh | ich of the following is an exotic | | |
| a). | Shorea robusta | b) | Mangifera indica |
| c) | Casuarina equisetifolia | d) | Rauwolfia serpentine |
| A | | ly to a | ccount for the fixation of a neutr |
| all | ele in small populations is: | | |
| a) | Selection | b) | mutation |
| | | | |
| c) | genetic drift Species inhabiting different geo | d) ograph | recombination nical area is known as |
| c) 81. A | Species inhabiting different geo | To tou | nical area is known as |
| c) | Species inhabiting different geo | ograph | nical area is known as Allopatric |
| c) 81. A a) | Species inhabiting different geo | b) | Allopatric biospecies usually known as |
| c) 81. A a) | Species inhabiting different geo sympatric sibling amark theory of organic evolution | b) | Allopatric biospecies usually known as Inheritance of Acquired characters |
| c) 81. A a) c) 82. L | Species inhabiting different geo sympatric sibling amark theory of organic evolution | b) d) ion is | Allopatric biospecies usually known as Inheritance of Acquired characters |
| c) 81. A a) c) 82. L | Species inhabiting different geo sympatric sibling amark theory of organic evolution Natural selection | b) d) ion is | Allopatric biospecies usually known as Inheritance of Acquired characters Continuity of fermplasm |
| c) 81. A a) c) 82. L a c 83. S | Species inhabiting different geo sympatric sibling amark theory of organic evolution Natural selection Genetic drift | b) d) ion is d | Allopatric biospecies usually known as Inheritance of Acquired characters Continuity of fermplasm |

| Re | d data book contain | | |
|-------|-------------------------------------|---|--|
| a) | All animal species | b) | all plant species |
| c) | Threatened species | d) | Economically important species |
| Fir | est experiment regarding evolution | of | life was performed by |
| a) | Watson and crick | b) | Oparine and Haldane |
| c) | Urey and Miller | d) | Meselson and stahl |
| Wh | nich radiation has the highest way | elei | ngth? |
| a) | microwave | b) | gamma radiation |
| c) | X-rays | d) | radio waves |
| Alj | pha radiation is similar to that of | | 10 - Service of Library and the Market of the Service of the Servi |
| a) | hydrogen nucleus | b) | helium nucleus |
| c) | nitrogen walkers the | d) | none of these |
| | | | |
| In | trp operon, tryptophan act as | | |
| In a) | trp operon, tryptophan act as | | coreprocessor |
| | | | coreprocessor |
| a) c) | inducer | b) d) | coreprocessor activator |
| a) c) | inducer promoter | b) d) | coreprocessor activator |
| | a) c) Fin a) c) Wh a) c) Alj | a) All animal species c) Threatened species First experiment regarding evolution a) Watson and crick c) Urey and Miller Which radiation has the highest way a) microwave c) X-rays Alpha radiation is similar to that of a) hydrogen nucleus | a) All animal species b) c) Threatened species d) First experiment regarding evolution of a) Watson and crick b) c) Urey and Miller d) Which radiation has the highest waveler a) microwave b) c) X-rays d) Alpha radiation is similar to that of a) hydrogen nucleus b) |

| separationa) paper chromatographyc) gel-filtration chromatography | ds on molecular size for their mode of b) absorption chromatography d) ion exchange chromatography |
|---|--|
| a) enthalpy c) free energy | b) entropy d) none of these |
| 92. An amino acid never found in alphaa) Glycerinec) Serine | b) Proline d) Alanine |
| | |
| 93. Which amino acid is responsible for protein at 280 nm a) Lysine c) Tryptophan | b) Glycine d) Proline |
| protein at 280 nm a) Lysine | ompule 2 |

| | n ²⁺ for full activity? | | |
|----------|------------------------------------|---------------|-----------------------------------|
| a) | Calmodulin | b.) | JAK kinase |
| c) | protein kinase A | d) | guanylyl cyclase |
| 7. W | hat region of the brain co | ntains the pr | rimary visual cortex? |
| a) | the occipital lobe | b) | the frontal lobe |
| c) | the temporal lobe | d) | the somatosensory cortex |
| | | | |
| 8. Aı | ntidepressant medications | most commo | nly target which neurotransmitter |
| a) | acetylcholine | b) | dopamine |
| (c) | histamine | d) | serotonin |
| | | | |
| | | | |
| a) | | | clone |
| a) c) | | | clone cybrid |
| c) | probe | d) | |
| c) | probe segment of DNA that read | d) | cybrid |