129 PU Ph.D Zoology

| | 100 |
|-------------|---|
| | PU_2016_129_E progesterone hormone is a:- |
| 0 | c-15 steroids |
| 0 | c-25 steroids |
| 0 | c-21 steroids |
| 0 | c-19 steroids |
| 161 | F 100 PU_2016_129_E eroid hormone which regulates glucose metabolism is:- estrogen |
| 0 | progesterone |
| 0 | aldosterone |
| | Cortisol |
| 204 RN/ | f 100 PU_2016_129_E A molecules, capable of catalyzing a chemical reaction such as self-splicing are known as:- |
| 0 | lysosomes |
| 0 | ribozymes |
| 0 | ribosomes |
| 0 | isozymes |
| 108 Maiı | f 100 PU_2016_129_E n difference between RBC's of man and frog is:- |
| 0 | Human RBCs are without nucleus |
| 0 | Human RBCs have more nuclei |
| 0 | Frog's RBCs are without nucleus |
| 0 | Only human RBCs have haemoglobin |
| 189 Whe | f 100 PU_2016_129_E en organisms produce all of its offspring in a reproductive event, it is known as:- |
| 0 | Iteroparity |
| 0 | Semelparity |
| 0 | Aparity |

| 0 | Viviparity |
|-------------|---|
| 216 Effe | F 100 PU_2016_129_E ct of deforestation are:- |
| 0 | distruction of wild life |
| 0 | increase in air pollution |
| 0 | desertification |
| 0 | all the above |
| 200 "Sex | F 100 PU_2016_129_E k-linked genes" refer to genes:- |
| 0 | present on the sex chromosomes |
| 0 | controlling both primary and secondary sexual characters |
| 0 | controlling secondary sexual characters |
| 0 | present in a particular sex |
| 157 | PU_2016_129_E hormone which is called as fight, flight and fright hormone is:- Epinephrine Prolactin progesterone |
| 160 The | Relaxin f 100 PU_2016_129_E hormone that regulates menstrual cycle in human:- FSH and Testosterone |
| 0 | FSH, LH and Estradial |
| 0 | Insulin and Glucagon |
| 0 | Thyroxine and Cortisol |
| 100 Whi | of 100 PU_2016_129_E ch one of the following is not the function of liver? |
| 0 | It produces granulocytes |
| 0 | It stores triglycerides |
| 0 | It produces bile juice which helps in digestion |

| 0 | It disposes off the worn out RBCs |
|-------------|---|
| 101 Whi | of 100 PU_2016_129_E ich is not a locomotory organ in Protozoa? |
| 0 | Flagella |
| 0 | Pseudopodium |
| 0 | Cilia |
| 0 | Setae |
| 141 In m | of 100 PU_2016_129_E nammals, histamine is secreted by:- |
| 0 | Lymphocytes |
| 0 | Fibroblasts |
| 0 | Histocytes |
| 0 | Mast cells |
| 109 | of 100 PU_2016_129_E at is the characteristic of metanephric kidney? Henle's loop Hypotonic urine production Excess secretion of uric acid Hormone production |
| 181 | of 100 PU_2016_129_E most abundant lipids in eukaryotic cell membranes are:- |
| 0 | Lipopolysacchrides |
| 0 | Cholesterol |
| 0 | Glycolipids |
| 0 | Phospholipids |
| 149 | of 100 PU_2016_129_E It method of variability is:- |
| 0 | Standard deviation |
| 0 | Mean |
| | Mode |

| 0 | Median |
|-------------|--|
| 116 Duri | of 100 PU_2016_129_E ng food chain maximum energy is stored in:- |
| 0 | decomposers |
| 0 | primary consumers |
| 0 | producers |
| 0 | secondary consumers |
| 121 Unw | of 100 PU_2016_129_E vinding of DNA is done by:- |
| 0 | topoisomerase |
| 0 | helicase |
| 0 | exonuclease |
| 0 | ligase |
| 137 | of 100 PU_2016_129_E gall stones are formed of:- |
| 0 | Cholesterol |
| 0 | Growing infected tissue |
| 0 | Sodium crystals |
| | Calcium |
| 133 | of 100 PU_2016_129_E Indelian recombinations are due to:- |
| 0 | independent assortment of genes |
| 0 | mutation |
| 0 | dominant characters |
| 0 | linkage |
| 180 Kah | of 100 PU_2016_129_E n test is otherwise called:- |
| 0 | Flocculation |
| 0 | Complement system |
| 0 | Precipitation |

| 0 | Agglutinisation |
|--|--|
| 120 Forr | of 100 PU_2016_129_E mation of RNA from DNA is:- |
| 0 | translation |
| 0 | transcription |
| 0 | replication |
| 0 | recombination |
| 185 Coh | of 100 PU_2016_129_E orts are:- |
| 0 | Different aged young |
| 0 | Same aged young |
| 0 | Recruits |
| 0 | Reproductive elements |
| 129 | of 100 PU_2016_129_E ndice is a disease of:- |
| 0 | kidneys |
| 0 | liver |
| О | duodenum |
| 0 | pancreas |
| 208 | of 100 PU_2016_129_E terial resistance to antibiotics is a generic trait that is carried in the bacteria cell in:- |
| 0 | intron |
| 0 | chromosome |
| 0 | centromere |
| О | plasmid |
| 25 of 100 164 PU_2016_129_E Secretin stimulates the secretion of:- | |
| 0 | pancreatic bicarbonate |
| 0 | acid secretion |
| 0 | gall bladder contents |

| C liver bile juice | |
|--|----------|
| 26 of 100 197 PU_2016_129_E The nuclear spindle is formed in:- | |
| Meiotic division only | |
| Mitotic and meiotic divisions | |
| C Amitotic division only | |
| Mitotic division only | |
| 27 of 100 112 PU_2016_129_E During expiration, the diaphragm:- | |
| Shows no change | |
| expands | |
| becomes dome shaped | |
| becomes flattened | |
| 28 of 100 169 PU_2016_129_E Pheromone is secreted by:- prostate gland cowpers gland bulbourethral gland anal gland | |
| 29 of 100 201 PU_2016_129_E Insertion or deletion of a nucleotide in a class of mutation resulting in a sequence of codon that nonsensical polypeptide chain is called:- | at makes |
| C lethal mutation | |
| inversion | |
| transversion | |
| frame shift mutation | |
| 30 of 100 188 PU_2016_129_E Most vitamins are:- Precursors to coenzymes | |
| Covalently linked to enzymes | |

| 0 | Synthesizes by humans |
|--------------|--|
| 0 | Precursors to proteins |
| 176 | of 100 PU_2016_129_E antibody produced during primary response is:- Ig M Ig E Ig A |
| 124 The | of 100 PU_2016_129_E primary germ layers are:- |
| 0 | ectoderm, mesoderm and endoderm |
| 0 | mesoderm, endoderm only |
| 0 | ectoderm, endoderm only |
| 0 | ectoderm, mesoderm only |
| 132 The | of 100 PU_2016_129_E ovarian follicle are derived from:- |
| 0 | corpus luteum |
| 0 | spermatozoa |
| 0 | corpus albicans |
| 0 | oogonia |
| 168 Cole | of 100 PU_2016_129_E onial habit is seen in:- |
| 0 | mosquitoes |
| 0 | white ants |
| 0 | bed bugs |
| 0 | locusts |
| 145 All \ | of 100 PU_2016_129_E veins carry oxygenated blood except:- |
| 0 | Pulmonary vein |
| 0 | Hepatic vein |

| O | Renal artery |
|-----------------|--|
| 0 | Hepatic portal vein |
| 172 The O | PU_2016_129_E T cell which suppresses the immune response is:- T s cells T b cells T d cells T c cells |
| 37 (209 | of 100 PU_2016_129_E ch enzyme catalyzes the unwinding of DNA helix during replication? DNA-polymerase |
| 0 0 | Helicase Topoisomerase Primase |
| 196 | PU_2016_129_E particles are also known as:- Ribosomes Lysosomes Oxysones Centrosome |
| 217 | of 100 PU_2016_129_E an of flight in bats is:- feathers wings cuticular flaps patagia |
| 105 | of 100 PU_2016_129_E respiratory centre is located in the:- Lungs Diencephalon |

| 0 | Mid brain |
|-------------|--|
| 0 | Medulla oblongata |
| 144 Chlo | of 100 PU_2016_129_E pride shift is related to the collection of:- |
| 0 | Hb |
| 0 | CO |
| 0 | O_2 |
| 0 | CO ₂ |
| 156 | of 100 PU_2016_129_E ts of Langerhans in pancreas secretes:- Glucagon alone |
| \circ | Insulin alone |
| 0 | Thyroxin |
| 0 | Insulin and Glucagon |
| 212 | of 100 PU_2016_129_E ch of the following amino acids has single codon? |
| 0 | Arginine |
| 0 | Tryptophan |
| 0 | Valine |
| 0 | Isoleucine |
| 177 The | of 100 PU_2016_129_E mammalian counterpart of avian bursa of fabricus is the:- |
| 0 | spleen |
| 0 | bone marrow |
| 0 | thymus |
| 0 | liver |
| 165 Rad | of 100 PU_2016_129_E lio Immuno Assay is used to measure the:- |
| 0 | proteins |
| 0 | respiratory rate |

| 0 | serum hormones excretion rate |
|------|---|
| 113 | of 100 PU_2016_129_E ch of the following sets of nerves are purely sensory? |
| 0000 | I , VI and VII I, II and VIII I, IX and X IV, V and IX |
| 184 | PU_2016_129_E thich animal species specific greetings like head rubbing is seen:- House-sparrow Cats Lizard Man |
| 140 | PU_2016_129_E one bodies are formed due to metabolism of:- Glycogen in liver Glycogen in muscles Fats in liver Fats in muscle |
| 128 | PU_2016_129_E son with diabetes mellitus do not produce sufficient:- glucagon sugar epinephrine insulin |
| 205 | of 100 PU_2016_129_E reins that are used only outside the cell are synthesized:- on the rough endoplasmic reticulum on free ribosomes |

| 0 | |
|---|---------|
| in the mitochondria | |
| on the smooth endoplasmic reticulum | |
| 51 of 100 148 PU_2016_129_E In a simple random sampling:- | |
| Selection is dependent on individual characteristic | |
| All have equal chance of getting selected | |
| Suitable for large heterogenous population | |
| Only possible when complete sampling frame is not available | |
| 52 of 100 213 PU_2016_129_E Which histone protein is involved in the transition between the solenoid form and the expusion nucleosome form? | xtended |
| H1 | |
| H4 | |
| H2B | |
| H3 | |
| 53 of 100 104 PU_2016_129_E Deficiency of vitamin D causes:- | |
| xeroptnaimia | |
| Peliagra | |
| Nyctalopia | |
| Osteomalacia | |
| 54 of 100 153 PU_2016_129_E The method of permanent birth control in female is:- | |
| Vasectomy | |
| Tubectomy | |
| Copper 1 | |
| Contraceptive pills | |
| 55 of 100 136 PU_2016_129_E One of the following is not a flightless bird? | |

| 0 | Apteryx |
|--|---|
| 0 | Rheas |
| 0 | Psittacula |
| 125 | PU_2016_129_E changes in male sex cells just before their liberation as mature gametes are called:- spermiogenesis Spermatogenesis Oogeneis gametogenesis |
| 117 Nitro | of 100 PU_2016_129_E ogen is an important constituent of:- |
| 0 | phospholipids |
| 0 | lipids |
| 0 | carbohydrates |
| 0 | protein |
| 193 | of 100 PU_2016_129_E adromous fishes migrate:- |
| 0 | To freshwater from sea |
| 0 | From river to sea |
| 0 | From sea to estuary |
| 0 | From estuary to sea |
| 59 of 100 173 PU_2016_129_E The following are primary lymphoid organs except:- | |
| 0 | thymus |
| 0 | bone marrow |
| 0 | lymph node |
| | bursa of fabricius |
| 192 An a | of 100 PU_2016_129_E antiglobin test is:- |
| 0 | Widal |

| 0 | Combs test |
|------------|---|
| 0 | ELIZA |
| 0 | RIA |
| 224 | PU_2016_129_M 'Suicidal 'bag of an animal cell is:- Dictyosome Spherosome Endosome Lysosome |
| 253 | of 100 PU_2016_129_M sh which migrate from sea to fresh water for spawning are called as:- |
| 0 | Anadromous |
| 0 | Stenohaline |
| 0 | Euryhaline |
| 0 | Catadromous |
| 240 | PU_2016_129_M ation under pressure is called:- semisolid filtration |
| 0 | extract-filtration |
| 0 | ultra-filtration |
| | micro-filtration |
| 225 The | of 100 PU_2016_129_M coiled filament of chromosome is called:- |
| 0 | Centroneme |
| | Chromomere |
| 0 | Chromonema |
| 0 | Satellite |
| 256 Rou | of 100 PU_2016_129_M nd worms are:- |
| 0 | Pseudocoelomate |

| 0 | Eucoelomate |
|-------------|--|
| 0 | Haemocoelomate |
| 0 | Acoelomate |
| 257 | of 100 PU_2016_129_M d derived by killing other organism is:- Predation Amensalism Parasitism Protocooperation |
| 249 | of 100 PU_2016_129_M ch are more numerous:- |
| 0 | Primary consumer |
| 0 | Tertiary consumer |
| 0 | Quaternary consumer |
| 0 | Secondary consumer |
| 220 Terr | of 100 PU_2016_129_M m not related to amoeba is:- |
| 0 | import |
| 0 | holozoic |
| 0 | circumvalation |
| \cup | autotrophic |
| 221 Reg | of 100 PU_2016_129_M eneration happens in:- |
| 0 | tails in lizards |
| 0 | fish fins |
| 0 | beak in birds |
| 0 | all the above |
| 248 | of 100 PU_2016_129_M tify the zooplankton. |
| ***** | Corals |

| \circ | Jelly fishes | |
|--|--|--|
| 0 | Hydra | |
| 0 | • | |
| | Marine protozoans | |
| 229 | of 100 PU_2016_129_M e of ribosomes and their subunits are given in:- Svedberg unit Angstron Microns Daltons | |
| 228 | of 100 PU_2016_129_M osomes are chemically composed of:- | |
| 0 | Protein | |
| 0 | Lipid only | |
| 0 | RNA and protein | |
| 0 | DNA | |
| 73 of 100 233 PU_2016_129_M Lysosomes contain destructure enzymes called:- | | |
| 0 | Hydrolases | |
| 0 | Esterases | |
| 0 | protease | |
| 0 | Transferases | |
| 74 of 100 236 PU_2016_129_M The stress response is primarily controlled by: | | |
| 0 | Thyroid gland | |
| | Hypothalamus | |
| 0 | Kidneys | |
| 0 | Adrenal gland | |
| 252 | of 100 PU_2016_129_M der type of nervous system present in:- Coelenterates | |
| | Cocicillelales | |

| 0 | Earth worm |
|-----------------------|---|
| 0 | Flat worms |
| 0 | Mollusks |
| 244 | of 100 PU_2016_129_M e dwelling animals have:- No pigment in the skin Upper surface dark and light lower surface Dark skin Light skin |
| 241 | of 100 PU_2016_129_M er salts present in the blood are:- |
| 0 | Potassium |
| 0 | Sodium and potassium |
| 0 | Cobalt |
| 0 | Sodium |
| 245 Blub C C | PU_2016_129_M beer is a characteristic of:- Aquatic mammals Cartilaginous fishes Bony fishes |
| 0 | Reptiles |
| 232 Circ | of 100 PU_2016_129_M ular DNA in eukaryotes are found in:- |
| 0 | Mitochondria |
| 0 | Stomata |
| 0 | Schwann cells |
| 0 | Bundle of His |
| 237 | of 100 PU_2016_129_M sin enzyme converts protein into:- Glycoprotein |

| 0 | Glycopeptides |
|--|---|
| 0 | Emulsified protein |
| 0 | Polypeptides |
| 285 | PU_2016_129_D y does not show any segmentation in:- Cockroach Frog Earth worm Star fish |
| 276 | of 100 PU_2016_129_D ler bright light animals become:- |
| 0 | Tanned |
| 0 | Blue coloured |
| 0 | Dark coloured |
| 0 | Light coloured |
| 261 Whi | of 100 PU_2016_129_D ch of the following process require energy:- |
| 0 | Transformation |
| 0 | Restriction digestion |
| 0 | Hybridization |
| 0 | Ligation |
| 84 of 100 281 PU_2016_129_D Which one has a real existence:- | |
| 0 | Phylum |
| 0 | Class |
| 0 | Genus |
| О | Species |
| 296 | of 100 PU_2016_129_D ch one is not a fossil fuel:- Uranium |

| 0 | |
|-------------|--|
| 0 | Coal |
| 0 | Natural gas |
| 100 | Petrol |
| 297 | of 100 PU_2016_129_D main factor responsible for water pollution is:- |
| 0 | Detergent |
| 0 | Industrial waste |
| 0 | NH3 |
| 0 | Smoke |
| 268 Dec | of 100 PU_2016_129_D composers are always:- |
| 0 | Heterotrophs |
| 0 | Autotrophs |
| 0 | Primary consumers |
| 0 | Saprotrophs |
| 284 | of 100 PU_2016_129_D water holding capacity of which soil is maximum:- |
| | Silt |
| 0 | Clay |
| | Sand |
| 0 | Coarse sand |
| 272 Anir | of 100 PU_2016_129_D mals period of inactivity in summer is:- |
| 0 | Hibernation |
| 0 | Dormancy |
| 0 | Resting |
| 0 | Aestivation |
| 288 | of 100 PU_2016_129_D serve food in protozoans is:- |

| 0 0 | fat Protein Glycogen |
|-----|---|
| 265 | of 100 5 PU_2016_129_D monia is the waste product of:- Cartilage fishes Insects sponges snail |
| 273 | of 100 B PU_2016_129_D ral reefs are formed by the association of algae and:- Coelenterates Poriferans Protozoa Fungi |
| 269 | of 100 PU_2016_129_D e source of energy in an ecosystem:- Glucose DNA ATP Sun |
| 289 | of 100 PU_2016_129_D otive breeding of endangered animal species is carried out in:- Laboratories Zoological parka National parks Sanctuaries |
| 293 | of 100 B PU_2016_129_D e indicator species for water pollution is:- Tubifex |

| 0 | Fishes |
|-------------|--|
| 0 | Mollusks |
| 0 | Zooplankton |
| 260 | PU_2016_129_D first step in the PCR is:- Annealing |
| \circ | Cooling |
| 0 | Denaturation |
| 0 | Primer extension |
| 280 Plar | of 100 PU_2016_129_D at and animal classification is given by:- |
| 0 | Charles Darwin |
| 0 | Gregor John Mendel |
| 0 | Carl Van Linnaeus |
| 0 | Aristotle |
| 292 | PU_2016_129_D one hole was discovered over:- Europe |
| \circ | India |
| 0 | Africa |
| 0 | Antarctica |
| 277 The | of 100 PU_2016_129_D respiratory, circulatory and excretory organs are absent in:- |
| 0 | Sponges |
| 0 | Liver flukes |
| 0 | Tapeworm |
| 0 | Thread worm |
| 264 | PU_2016_129_D sue grade organization is organized from:- Cnidaria |

Porifera

C Protozoa

Platyhelminthes

| In the series 357,363,369, What will be the 10th term? Alt1 405 Alt2 411 Alt3 413 Alt4 417 2 Choose word from the given options which bears the same relationship to the third word, as the first two bears: Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank 4 Select the lettered pair that has the same relationship as the original pair of words: | Sr No. | PhD Zoology |
|--|--------|--|
| Alt1 405 Alt2 411 Alt3 413 Alt4 417 Choose word from the given options which bears the same relationship to the third word, as the first two bears: Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | 1 | |
| Alt3 413 Alt4 417 2 Choose word from the given options which bears the same relationship to the third word, as the first two bears: Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt1 | |
| Alt4 417 2 Choose word from the given options which bears the same relationship to the third word, as the first two bears: Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt2 | 411 |
| 2 Choose word from the given options which bears the same relationship to the third word, as the first two bears: Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt3 | 413 |
| Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt/ | 417 |
| Moon: Satellite :: Earth : ? Alt1 Sun Alt2 Planet Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | | |
| Alt3 Solar System Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | 2 | |
| Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt1 | Sun |
| Alt4 Asteroid 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt2 | Planet |
| 3 Door is related to Bang in the same way as Chain is related to? Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt3 | Solar System |
| Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | Alt2 | Asteroid |
| Alt1 Thunder Alt2 Clinch Alt3 Tinkle Alt4 Clank | | |
| Alt2 Clinch Alt3 Tinkle Alt4 Clank | 3 | Door is related to Bang in the same way as Chain is related to? |
| Alt3 Tinkle Alt4 Clank | Alt1 | Thunder |
| Alt4 Clank | Alt2 | Clinch |
| | Alt3 | Tinkle |
| 4 Select the lettered pair that has the same relationship as the original pair of words: | Alt4 | Clank |
| 4 Select the lettered pair that has the same relationship as the original pair of words: | | |
| | 4 | Select the lettered pair that has the same relationship as the original pair of words: |
| Emollient: Soothe | | Emollient: Soothe |
| Alt1 Dynamo: Generate | Alt1 | Dynamo: Generate |
| Alt2 Elevation: Level | Alt2 | Elevation: Level |
| Alt3 Hurricane: Track | Alt3 | Hurricane: Track |
| Alt4 Precipitation: Fall | Alt4 | Precipitation: Fall |
| | | |
| 5 Which of the following is the same as Count, List, Weight? | 5 | Which of the following is the same as Count, List, Weight? |
| Alt1 Compare | | |
| Alt2 Sequence | | |
| Alt3 Number | | |
| Alt4 Measure | Alt4 | Measure |
| | | |
| 6 Spot the defective segment from the following: | | |
| Alt1 The downtrodden | | |
| Alt2 needs | | |
| Alt3 to be uplifted | | |
| Alt4 on a war footing | Alt4 | on a war footing |
| | | |
| 7 Choose the meaning of the idiom/phrase from among the options given: | 7 | |
| A close shave | | |
| Alt1 a nice glance | | |
| Alt2 a narrow escape | | |
| Alt3 an intimate Alt4 a triviality | | |

| 8 | Lightning in the same place twice. |
|------|---|
| Alt1 | doesn't hit |
| Alt2 | never strikes |
| Alt3 | never attacks |
| Alt4 | never falls |
| | |
| 9 | Choose the option closest in meaning to the given word: |
| | FLIPPANT |
| Alt1 | serious |
| Alt2 | unsteady |
| | irreverent |
| Alt4 | caustic |
| | |
| 10 | Choose the antonymous option you consider the best: |
| 10 | OBSOLETE |
| Δl+1 | obscure |
| | hackneyed |
| | current |
| | |
| AII4 | grasp |
| 11 | Alach seared 72 marks in subject A. He seared ECO/ marks in subject D and V marks in subject C. Mavimum |
| 11 | Akash scored 73 marks in subject A. He scored 56% marks in subject B and X marks in subject C. Maximum |
| | marks in each subject were 150. The overall percentage marks obtained by Akash in sall te three subjects were |
| Alia | 54%. How many marks did he score in subject C? |
| Alt1 | |
| Alt2 | |
| Alt3 | |
| Alt4 | 73 |
| | |
| 12 | A person starts from his house and travels 6 Km towards the West, he then travelled 4 Km towards his left |
| | and then travels 8 Km towards west and 3 Km towards South. Finally he turns right and travels 5 Km. What is the |
| | horizontal distance he has travelled from his house ? |
| | 7 Km |
| | 15 Km |
| Alt3 | 23 Km |
| Alt4 | 19 Km |
| | |
| 13 | If 1st Jan 2012 is a Tuesday then on which day of the week will 1st Jan 2013 fall ? |
| Alt1 | Wednesday |
| Alt2 | Thursday |
| Alt3 | Friday |
| Alt4 | Saturday |
| | |
| 14 | One morning after sunrise, Reeta and Kavita were talking to each other face to face at University. If Kavita' |
| | shadow was exactly to the right of Reeta, which direction was Kavita facing? |
| Alt1 | North |
| Alt2 | South |
| Alt3 | East |

| Alt4 | West |
|------|--|
| | |
| 15 | In an exam every candidate took History (or)Geography(or)both. 74.8%took History and 50.2% took Geography. |
| | If the Total number of candidates is 1500, how many took History and Geography both? |
| Alt1 | 400 |
| Alt2 | 350 |
| Alt3 | 750 |
| Alt4 | 375 |
| | |
| 16 | Which word includes the larger % of Vowels? |
| Alt1 | GOOGLE |
| Alt2 | AMAZON |
| Alt3 | FACE BOOK |
| Alt4 | DOE |
| | |
| 17 | A= Least prime >24; |
| | B=Greatest prime <28; Then |
| Alt1 | |
| Alt2 | A <b< th=""></b<> |
| Alt3 | |
| | None |
| | |
| 18 | CL X VIII refers |
| Alt1 | |
| Alt2 | 701 |
| Alt3 | |
| Alt4 | 107 |
| | |
| 19 | Which of the following is larger than 3/5 ? |
| Alt1 | |
| | 39/50 |
| | 7/25 |
| | 59/100 |
| | |
| 20 | Mr. Babu travelled 1200 km by air which formed 2/5 of his trip. One third of the whole trip, he travelled by car |
| | and the rest of the journey was by train. What was the distance travelled by train? |
| Alt1 | 600km |
| | 700 km |
| | 800 km |
| | 900 km |
| | |
| 21 | The phylum in which all the representative animals are marine is |
| | |
| | |
| Alia | Cnidaria |
| Alt1 | |

| Alt2 | Porifera |
|------|---|
| Alt3 | Annelida |
| Alt4 | Echinodermata |
| | |
| 22 | Which one of the following is an exotic Indian fish |
| | |
| Alt1 | <i>Heteropneustes fossilis </i> |
| Alt2 | <i>Cyprinus carpio</i> |
| Alt3 | <i>Catla catla</i> |
| Alt4 | <i>Labeo rohita</i> |
| | |
| 23 | The structure "lantern of Aristotle" is found in |
| Alt1 | <i>Nereis</i> |
| Alt2 | <i>Echinus</i> |
| | <i>Taenia</i> |
| Alt4 | <i>Chaetopterus</i> |
| | |
| 24 | Pollen basket in worker honey bee is present in the |
| | |
| | Metathoracic legs |
| | Mesothoracic legs |
| | Prothoracic legs |
| Alt4 | Mandible |
| 25 | In sponges, the food is stored in |
| 25 | in sponges, the rood is stored in |
| Alt1 | Trophocytes |
| Alt2 | Archeocytes |
| Alt3 | Desmocytes |
| Alt4 | Thesocytes |
| | |
| 26 | A reason for maternal inheritance of a character is due to genes present in |
| | |
| | |
| | Nucleolus |
| | Mitochondria |
| | Cytoplasm |
| Alt4 | Lysosomes |
| 27 | Which statement about post-translational events is FALSE? |
| 21 | vernon statement about post-translational events is LALSE: |
| Δl+1 | Protein targeting involves signal sequences in the nascent polypeptides. |
| | Proteins can be modified by acetylation, phosphorylation and glycosylation. |
| | |

| | Signal peptidase removes one or two amino acids from the amino terminus of some proteins. |
|------|---|
| Alt4 | Some mRNAs encode polypeptides. |
| | |
| 28 | Which one of the following elements is essentially required for blood coagulation? |
| Alt1 | Calcium. |
| | Sodium. |
| Alt3 | Potassium. |
| Alt4 | Iron. |
| | |
| 29 | Trypsinogen is activated by |
| Alt1 | HCI. |
| Alt2 | Enterokinase. |
| Alt3 | |
| Alt4 | Chymotrypsin. |
| | |
| 30 | Emulsification of fatty substances is the function of |
| Alt1 | Lipase enzyme. |
| Alt2 | Bilirubin and biliverdin. |
| Alt3 | HCI. |
| Alt4 | Sodium salts of glycocholic and taurocholic acids. |
| | |
| 31 | In circulating blood, CO ₂ is carried by haemoglobin in the form of |
| Alt1 | Sodium bicarbonate. |
| Alt2 | Potassium bicarbonate. |
| Alt3 | Carboamino compound. |
| Alt4 | Methaemoglobin. |
| | |
| 32 | What one of the following matches is correct? |
| Alt1 | Lamarck's theory - Struggle for existence. |
| | Biogene c law - Recapitula on theory. |
| | Lamarck's theory - Theory of con nuity of germplasm. |
| | Darwin's theory - Use and disuse of organs. |
| | |
| 33 | Which of the following is not a green house gas? |
| Alt1 | CO <i>2 </i> |
| Alt2 | Water vapour |
| Alt3 | Methane |

| Alt4 | Ozone |
|------|---|
| 34 | A species that has a disproportionately large effect on its environment relative to its abundance and if removed from habitat the habitat is dramatically changed is called |
| Alt1 | Abundant species |
| Alt2 | Keystone species |
| Alt3 | Dominant species. |
| Alt4 | Umbrella species. |
| 35 | A population following the growth equation (dN/dt = rN) will neither increase nor decrease when |
| Alt1 | r = 0 |
| Alt2 | r=1 |
| Alt3 | r = 0.5 |
| Alt4 | r= >0 but < 1 |
| | |
| 36 | An area is declared "Hot Spot" when |
| Alt1 | It has 1500 or more endemic species and 75 % of its original habitat is lost. |
| | It has 1500 or more endangered species and 75 % of its habitat is lost. |
| | It has more than 2000 varieties of species. |
| Alt4 | Most of the species inhabiting the area is facing the risk of extinction. |
| | |
| 37 | The major secretory product of pineal gland is |
| Alt1 | Mesotocin. |
| Alt2 | Melanin. |
| | Melatonin. |
| Alt4 | Prolactin. |
| | |
| 38 | The blood in Cockroach contains |
| Alt1 | Haemoglobin. |
| | Haemocyanine. |
| Alt3 | Haemovanadin. |
| Alt4 | No respiratory pigment. |
| | |
| 39 | Which one of the following features is NOT appropriate for Vitamin C? |
| Alt1 | Water soluble. |
| Alt2 | Anti-Scurvy. |
| Alt3 | Anti-Beriberi. |

| Alt4 | Hexose derivative . |
|------|---|
| 40 | The death of the last individual of a species is called |
| 40 | The death of the last marriadal of a species is called |
| | |
| Alt1 | Extinction. |
| Alt2 | Clad. |
| Alt3 | Neither extinction, nor clad. |
| Alt4 | Species diversity. |
| | |
| 41 | Red Data Book provides a list of |
| | |
| | |
| | Advanced animals and plants. |
| | Rare, endangered or endemic species. |
| | Disease resistant animals. |
| AIT4 | Extinct plants and animals. |
| 42 | What is the animal symbol of W. W. F (World Wildlife |
| 42 | Fund) ? |
| | rundy: |
| Alt1 | Red Panda. |
| | Giant Panda. |
| Alt3 | Tiger. |
| Alt4 | Kangaroo. |
| | |
| | Which group of vertebrates comprises the highest |
| | number of endangered species? |
| | |
| | Fishes. |
| | Reptiles. |
| | Birds. |
| Alt4 | Mammals. |
| 11 | Duck-billed platypus is considered as a link between |
| 44 | Duck-billed platypus is collisideled as a lillik betweell |
| | |
| Alt1 | Reptiles and birds. |
| | Reptiles and mammals. |
| | Echinoderms and chordates. |
| Alt4 | Reptiles and amphibians. |
| | |
| 45 | In human dosage compensation the only gene which is not transcriptionally silent in the inactivated X |
| | chromosome is |
| | |
| | |
| Alt1 | HPRT. |

| Alt2 | XIST. |
|-------|--|
| Alt3 | Tim. |
| Alt4 | XIC. |
| | |
| 46 | Which one of the following sub-cellular organelle is relatively more abundant in a primarily lipid synthesizing |
| | cell? |
| | |
| Alt1 | Rough surfaced ER. |
| | Smooth surfaced ER. |
| | Ribosomes. |
| | Lysosomes. |
| 7.00 | |
| 17 | In the DNA, nonsense codons are |
| 47 | in the DNA, nonsense codons are |
| ۸ l+1 | UUA,UUG,UUU |
| | |
| | UAG,UAA,UGA |
| | AUA,AUG,UGA |
| Alt4 | AAA,AAG,AAU |
| 40 | Mary Artifactive I are a contractive and a financial and a contractive and a contrac |
| 48 | Mayr's biological concepts of species is mainly based on |
| | |
| | |
| | |
| | Morphological traits. |
| | Reproductive isolation. |
| | Modes of reproduction. |
| Alt4 | Morphology and Reproduction. |
| | |
| 49 | In the mammalian testis, the hormone inhibin is produced by |
| | |
| Alt1 | Leydig cells. |
| Alt2 | Sertoli cells. |
| Alt3 | Mature spermatozoa. |
| Alt4 | Spermatids. |
| | |
| 50 | Which of the following enzymes is the first to mix with food in the digestive tract? |
| | |
| Alt1 | Pepsin. |
| | Trypsin. |
| | Lipase. |
| | Ptyaline. |
| AILH | i cyanici |
| 51 | During the transportation of gases, to maintain the ironic balance, chloride ions shift from |
| | RBCs to plasma |
| | Plasma to RBCs |
| | Lungs to blood |
| | |
| AIT4 | Blood to lungs |

| | Phenotype of an organism is the result of |
|------------|--|
| Alt1 | Genotype and environment interactions |
| Alt2 | Mutations and linkages |
| Alt3 | Cytoplasmic effects and nutrition |
| Alt4 | Environmental changes and sexual dimorphism |
| | |
| | Apoptosis term is related to |
| | Abnormal cell growth |
| | Programmed cell death |
| | Cell morphogenesis |
| Alt4 | Cell differentiation |
| 5 4 | La de la constitución de la cons |
| 54 | In which year, the National Biodiversity Authority (NBA) was established to implement India's Biological |
| | Diversity Act |
| | 2002 |
| | 2003 |
| | 2004 |
| Alt4 | 2005 |
| | A double stranded DNA has 30% cytosine. What is the percentage of adenine in it? |
| Alt1 | |
| Alt2 | |
| Alt2 | |
| | |
| Alt4 | 0.1 |
| 56 | Which of the following is the main cause of allopatric speciation? |
| | Geographical isolation |
| | Reproductive isolation |
| | Allochronism |
| | None of these |
| AICT | Hone of these |
| 57 | The epithelium that helps in gamete formation is |
| | Simple squamous epithelium |
| | Simple columnar epithelium |
| | Simple cuboidal epithelium |
| | Ciliated columnar epithelium |
| | · |
| 58 | Which of the following is not an ecosystem service provided by invertebrates? |
| Alt1 | Decomposition of plant and animal tissues |
| Alt2 | Pollination of plants |
| Alt3 | Suppression of herbivorous pests of crops |
| Alt4 | Vectors and intermediate hosts of parasites that attack humans |
| 50 | Militar of the fallowing are not as in holes to a divide of the country of the co |
| | Which of the following are not social behaviors displayed by some invertebrates? |
| | Parental care |
| Alt2 | Channel surfing |

| Alt3 | Communal nesting |
|------|---|
| Alt4 | Cooperation in brood care between parents and offspring |
| | |
| 60 | In which type of wildlife management the wildlife is protected from hunting mainly during breeding season and |
| | is enforced by law and if violated is punishable and termed as illegal?: |
| | Closed season |
| | Open wildlife season Custodial management |
| | Custodial management Limited entry zone |
| AIL4 | Limited end y 2011e |
| 61 | The first larvae of Penaeus |
| | Zoea |
| Alt2 | Nauplius |
| Alt3 | Mysis |
| Alt4 | Protozoea |
| | |
| | What is a microscope's ability to distinguish between separate objects that are close together? |
| | Magnification |
| | Contrast |
| | Resolving power |
| AII4 | Scanning power |
| 63 | Sodium ions are "pumped" from a region of lower concentration to a region of higher concentration in the |
| 03 | nerve cells of humans. This process is an example of |
| Alt1 | Diffusion |
| Alt2 | Passive transport |
| Alt3 | Osmosis |
| Alt4 | Active transport |
| | |
| | Notochord is found in the tail region of |
| | Chordata |
| | Urochordata Cephalochordata |
| | Vertebrata |
| Alt4 | vertestata |
| 65 | The chemical factors that determine traits are called |
| | Alleles |
| Alt2 | Traits |
| Alt3 | Genes |
| Alt4 | Characters |
| | |
| 66 | What principle states that during gamete formation genes for different traits separate without influencing each |
| | other's inheritance? |
| | Principle of dominance |
| | Principle of independent assortment Principle of probabilities |
| | Principle of probabilities Principle of propagation |
| AIT4 | Principle of segregation |

| Alt2 S | Sperm cells Skin cells |
|-------------|--|
| Alt3 L | |
| | |
| Alt4 | Liver cells |
| | All of these |
| 68 / | An example of aestivating fish |
| Alt1 L | Lepidosiren paradoxa |
| Alt2 E | Etroplus suratensis |
| Alt3 S | Sardinella longiceps |
| Alt4 | Mugil cephalus |
| 69 <i>f</i> | A chronospecies is |
| Alt1 | A population that will eventually become a new species, given enough time |
| Alt2 | A species that, though reproductively isolated, looks exactly like another species |
| Alt3 | A label used for a stage of a single species evolving over time |
| Alt4 | A measure of how many new species appear in a given period of time |
| 70 7 | The origin of a new species first requires |
| | Reduced gene flow |
| | Increased gene flow |
| | Reduced mutation rates |
| Alt4 I | ncreased mutation rates. |
| <u> </u> | |
| 71 \ | Which of the following is used to determine what traits are primitive and what traits are derived in an analysi |
| | of closely related species?. |
| Alt1 A | A molecular clock |
| Alt2 A | An outgroup |
| Alt3 / | A phenetic approach |
| Alt4 / | An adaptive radiation model |
| • | |
| 72 7 | Twins made from two individual zygotes (dizygotic twins): |
| Alt1 a | are related genetically as the monozygotic twins |
| Alt2 s | share 0% genetic similarities |
| Alt3 a | are similar in 100% of genetic sequences |
| Alt4 a | are related genetically as non-twin siblings. |
| 73 \ | Which of the following is not a major factor in the success of the Arthropoda (insects, crustaceans, spiders, et |
| Alt1 F | Paired jointed appendages |
| Alt2 | A chitinous exoskeleton |
| Alt3 E | Body segmentation and the fusion of body segments into functional regions of the body (head, thorax, abdomen) |
| Alt4 F | Radial symmetry |

| Alt1 | Impairment of digestion of fat |
|------|--|
| Alt2 | Jaundice |
| Alt3 | Increased acidity in intestine |
| Alt4 | None of these |
| | |
| 75 | Autecology deals with: |
| Alt1 | Study of individual organism |
| Alt2 | Study of group of organisms |
| Alt3 | Study of autotrophs |
| Alt4 | Study of heterotrophs |
| | |
| 76 | Which one of the following animals is an Ectothermic Homeotherm? |
| | Lantern fish |
| Alt2 | Whale |
| Alt3 | Fruit Bat |
| Alt4 | Owl |
| | |
| 77 | DNA repair is <i><u>not</u></i> associated with |
| Alt1 | DNA ligase |
| Alt2 | DNA exonuclease |
| Alt3 | DNA endonuclease |
| Alt4 | DNA helicase |
| | |
| 78 | Why mitochondrial DNA (mtDNA) is often used for studying relatedness in animal populations by population |
| | geneticists? |
| Alt1 | mtDNA mutates at a slow rate than nuclear DNA |
| Alt2 | mtDNA is uniparental as it passed on from mother to child without any recombination between pairs of chromosomes |
| Alt3 | mtDNA codes for mitochondrial proteins |
| Alt4 | Single nucleotide polymorphisms are very few in the hypervariable regions of mitochondria |
| | |
| 79 | Hardy-Weinberg equilibrium assumes significance for the following, <u>except</u> |
| | a large population |
| Alt2 | random mating |
| Alt3 | no natural selection |
| Alt4 | genetic drift |
| | |
| 80 | Cell fractionation require all, <u>except</u> |
| | |
| | |
| | |
| Alt1 | Centrifuge |
| Alt2 | HPLC |
| Alt3 | Dialysis |
| | Cryostat |

| 81 | Most commonly used animal for the production of secondary antibody for immulogical techniques is |
|------|---|
| | |
| Alt1 | Mice |
| Alt2 | Goat |
| Alt3 | Rabbit |
| Alt4 | Horse |
| | |
| 82 | Which one of the following is <i><u>not</u></i> related to the tiger reserve or project tiger of India? |
| Alt1 | Sunderbans |
| Alt2 | Kaziranga |
| Alt3 | Manas |
| Alt4 | Bandipur |
| | |
| 83 | Classical example of a hormone that is being regulated by open loop feedback is |
| Alt1 | Prolactin |
| Alt2 | FSH |
| Alt3 | Н |
| Alt4 | Calcitonin |
| | |
| 84 | Self-ligation of restriction enzyme digested plasmid DNA can be avoided by using |
| Alt1 | AMV reverse transcriptase |
| Alt2 | T4 DNA ligase |
| Alt3 | calf intestine phosphatase |
| Alt4 | T7 Polymerase |
| | |
| 85 | Which one of the following chemical compounds/drugs depolymerizes actin filaments? |
| | Cytochalasin B |
| Alt2 | Colchicine |
| | Phalloidin |
| Alt4 | Cyclodextrin |
| | |
| | Which cell organelles have the capacity to undergo pleomorphism or polymorphism? |
| | Glyoxisome and Peroxisome |
| | Lysosome and Mitochondria |
| | Ribosome and Chloroplast |
| Alt4 | Endoplasmic reticulum and Golgi complex |
| | |
| | Unique property of lysosomal proteins is |
| | always enclosed in clathrin-coated vesicles |
| | phosphorylated mannose residues |
| | O-linked glycosylation of asparagine residues |
| Alt4 | functional at alkaline pH |
| - | |
| | Spermatozoa lacking acrosome is found only in |
| Alt1 | Snake |

| Alt3 | Frog |
|---------|---|
| Alt4 | Quail |
| | |
| 89 | Function of a eukaryotic protein can be abolished if point mutation is executed in the region of |
| Alt1 | TATA box of 5'UTR promoter |
| | first nucleotide of a codon in the first exon |
| Alt3 | third nucleotide of a codon in the first exon |
| Alt4 | targeting poly adenylation signal in 3'UTR |
| | |
| 90 | Which one of the following statements is <u><i>incorrect</i></u> with reference to gamete maturation? |
| Alt1 | Both Meiosis I and II will be completed before fertilization in male gametes. |
| | Meiosis I alone will be completed before fertilization in female gamete and the Meiosis II will occur after fertilization |
| Alt3 | <i>In vitro </i> fertilization can be performed without the completion of capacitation of male gametes. |
| ΔΙ+Λ | Resumption of meiosis for female gamete maturation is not related to puberty. |
| Alt4 | nesamplion of melosis for female gamete mataration is not related to passerty. |
| 91 | Which one of following group of amino acids is the site for glycosylation? |
| | Glycine or alanine |
| | Glutamine or arginine |
| | Tryptophan or phenylalanine |
| | Asparagine, serine or threonine |
| 7110-1 | Apparagnic, serine of theorime |
| 92 | The phenotypic expression of one gene is affected by another gene is known as |
| | Epigenetics |
| | Epistasis |
| | Homeostasis |
| | Heterosis |
| 7.110 | |
| 93 | Continuation of glycolysis during fermentation is dependent mainly on |
| | production of 2 molecules of ATP |
| | recycling NAD ⁺ |
| | recycling NADH |
| | utilization of 2 molecules of ADP |
| 7 110 1 | danization of 2 molecules of the |
| 94 | As per Morgan's law of recombination, when a grey normal wild type Drosophila (female) is crossed with black |
| | vestigial (male), 944 flies are black vestigial, 965 are wild type, 206 are grey vestigial and 185 are black normal. |
| | Find the recombinant frequency. |
| Δl+1 | 0.30 |
| | 0.17 |
| | 0.34 |
| | 0.15 |
| , | |
| 95 | Which one of the following endocrine glands has originated from two different germ layers? |
| | Adrenal |
| | Pituitary |
| AILZ | i reareary |

| Alt3 | Thyroid |
|------|---|
| Alt4 | Pineal |
| | |
| 96 | Most of the deserts in the world occur at 30 degree north and 30 degree south latitude. This can be best |
| | explained by |
| Alt1 | the pattern of global climate change in the last centaury |
| Alt2 | the pattern of continental drift during last millions of years |
| Alt3 | the pattern of atmospheric circulation above and below the equator |
| Alt4 | the pattern of mountain ranges that occur at those latitudes |
| 97 | Somatomammotropin is responsible for |
| | Breast growth during pregnancy |
| | Postnatal lactation |
| | Milk ejection just after parturition |
| | Postnatal depression and stress |
| AIL4 | Fostilatal depression and stress |
| 98 | A couple having blood group A with Rh negative (Father) and B with Rh positive (Mother) have a girl child wit |
| | blood group O, Rh positive. What will be the genetic allele combination of the parents in terms of the blood |
| | group? What would be the percentage of having a child with blood group O, Rh positive? |
| Alt1 | ^{I^Ai, Rh⁻ and} I ^B i, Rh ⁺ & 25% |
| Alt2 | I ^A I ^A & 25% |
| Alt3 | I ^A i, Rh ⁻ and I ^B i, Rh ⁺ & 50% |
| Alt4 | I ^A i, Rh ⁻ and I ^B I ^B , Rh ⁻ & 25% |
| | |
| 99 | Each repeat unit of the nuclear ribosomal gene cluster of eukaryotes contains |
| Alt1 | a terminator for RNA Polymerase I |
| | a promoter for RNA polymerase I |
| Alt3 | an ATG start codon and also a Polyadenylation signal |
| Alt4 | at least one tRNA gene |
| 100 | Brown fat degradation is associated with |
| | shivering thermogenesis and glycolysis |
| | non-shivering thermogenesis and gluconeogenesis |
| Alt2 | |
| | non-shivering thermogenesis and beta-oxidation |

| Examination: Ph.D. Zoology |
|--|
| Section 1 - Section 1 |
| Question No.1 4.00 |
| Bookmark ▽ |
| Short lived immunity acquired by foetus from mother through placenta is |
| C Innate nonspecific immunity |
| Passive immunity Active immunity |
| C Cellular immunity |
| Celidal IIIIIIdility |
| Question No.2 4.00 |
| Bookmark □ |
| Statement: Apart from it's entertainment value of Television, it's educational value cannot be ignored |
| Assumptions: I. People take Television to be the means of entertainment only. |
| II. The educational value of Television is not realized properly |
| ○ If both I and II are implicit |
| ○ If neither I nor II is implicit |
| ○ If only assumption II is implicit |
| If only assumption I is implicit |
| Overfier No.2 |
| Question No.3 4.00 Bookmark |
| Correct the error in the italicized part of the sentence by choosing the most appropriate options |
| Job was a tiny man, barely five feet tall, with a spright walk |
| o a sprightly walking |
| O spright walk |
| o a sprightly walk |
| ○ spright walkingly |
| Question No.4 |
| Bookmark |
| What process is used to identify possible ribosome substrates? |
| C RNA SELEX |
| O DNA SELEX |
| C DNA BLAST |
| O RISC |
| Question No.5 |
| Bookmark □ |
| Crumb: Bread:: |
| © Flower: Vase |
| O Splinter : Wood |
| O Tea: Cup |
| O Water: Bucket |
| |
| |

| Question No.6 | 4.00 |
|---|--------------|
| | Bookmark □ |
| Based on the information given answer the following question. 1. In a family of six persons, there are people from three generations. Each has separate people from three generations. | rofessions |
| and they like different colours. There are two couples. 2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour. | |
| 3. Chartered Accountant likes green colour and his wife is a teacher. | |
| 4. Manisha is the mother-in-law of Sunita and she likes orange colour. | |
| 5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour.6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes wh | nite colour |
| o. Tyria is the grand daugniter of Mariisha and she likes blue colour. Tyria s Mother likes wil | iite coloui. |
| What is the profession of Sunita? | |
| Chartered Accountant | |
| ○ Principal | |
| ○ Teacher | |
| Cannot be determined | |
| | |
| Question No.7 | 4.00 |
| Question No.1 | Bookmark |
| She studies very hard for the exams,? | |
| C isn't it? | |
| O does she? | |
| O doesn't she? | |
| ○ is it? | |
| Question No.8 | 4.00 |
| Question No.0 | Bookmark |
| Sleeping sickness is caused by the vector | |
| O Phlebotomus | |
| ○ Simulium | |
| ○ Xenopsylla | |
| ○ Glossina | |
| | |
| Question No.9 | 4.00 |
| The most important function of loop of Henle is | Bookmark □ |
| secretion of a variety of substances from the urine | |
| © creation of the glomerular filtrate | |
| reabsorption of a variety of substances from the urine | |
| creation of a strong osmotic gradient in the medulla | |
| o distance a such ground as gradient in the modalia | |
| Question No.10 | 4.00 |
| | Bookmark □ |
| Disorder of adrenal cortex cause | |
| Addison's disease and Cushing syndrome | |
| Castiniam addison's disease | |
| Cretinism, addison's disease | |
| C Simple goitre, cretinism | |

| Unfolding of regular secondary protein structure causes No change in the entropy of the protein Large decrease in the entropy of the protein |
|--|
| No change in the entropy of the proteinLarge decrease in the entropy of the protein |
| C Large decrease in the entropy of the protein |
| |
| C Little increase in the entropy of protein |
| C Large increase in the entropy of the protein |
| |
| Question No.12 4.00 Bookmark |
| FASTA identifies identical matching words using the |
| © Substitution matrix |
| Hashing procedure |
| © Blocks |
| ○ Motifs |
| Question No.13 4.00 |
| Bookmark [|
| Examples for egg laying mammals |
| C Thecodonts, pelycosaurs |
| C Echidna, thecodonts |
| O Duck billed platypus, echidna O Therepoid, theredente |
| C Therapsid, thecodonts |
| Question No.14 |
| Bookmark ☐ Which of the following functions is NOT served by the plasma proteins? |
| O2 transport |
| © Buffering capacity of blood |
| © Blood clotting |
| C Hormone binding and transport |
| |
| Question No.15 |
| Bookmark |
| If A+B means A is daughter of B, A-B means A is husband of B |
| A × B means A is brother of B |
| |
| From the statement A × B × C × D, which of the following statement is not necessarily true? © B is the brother of A |
| © C is the brother of A |
| O A, B, C are male |
| © D is brother of C |
| 6 B is biotici of 6 |
| Question No.16 4.00 |
| Bookmark ☐ The Great Barrier Reef is constructed by animals belonging to the phylum |
| C Chordata |
| © Echinodermata |
| © Crustacea |
| O Cnidaria |
| |

| Question No.17 | 4.00 |
|---|--------------------|
| The Animal that is considered as "amplifier host" of the virus, in Japanese encephalitis is | Bookmark ✓ |
| ○ Man | |
| C Cattle | |
| ○ Horse ○ Pig | |
| ∪ Fig | |
| Question No.18 | 4.00 Bookmark |
| Study the following information carefully and answer the question below it | DOORINAIR [|
| Lakshman passes through seven lanes to reach his school. He finds that 'Truth lane' is between house and 'Lie lane'. The third lane from his school is 'Karma lane'. 'Dharma lane' is immediate before the 'Yog lane'. He passes 'Salvation lane' at the end, 'Lie lane' is between 'Truth lane' 'Dharma lane', the sixth lane from his house is 'Devotion lane'. | diately |
| If Lakshman's house, each lane and his school are equidistant and he takes 2 minutes to palane, then how long will he take to reach school from his house? © 15 minutes | ass one |
| © 15 minutes | |
| C 14 minutes | |
| C 13 minutes | |
| Question No.19 | 4.00 |
| Basic criteria used to determine the evolutionary branch of vertebrates? | Bookmark |
| Presence of mandibles, presence of limbs, presence of osseous skeleton, presence waterproof skin, presence of warm blood, presence of mammary glands | e of |
| Presence of mandibles, absence of limbs, absence of osseous skeleton, Presence waterproof skin, absence of warm blood, Presence of mammary glands | of |
| Absence of mandibles, presence of limbs, presence of osseous skeleton, absence waterproof skin, presence of warm blood, absence of mammary glands | of |
| Absence of mandibles, absence of limbs, absence of osseous skeleton, absence of waterproof skin, absence of warm blood, absence of mammary glands | f |
| Question No.20 | 4.00 |
| Water vascular system of Echinodermata consists of | Bookmark □ |
| © Pedicillaria calyx | |
| S-shaped stone canals | |
| © Pedicillaria calyx Medreporite | |
| C Teidmann's bodies S-shaped stone canals | |
| C Teidmann's bodies Pedicillaria calyx | |
| Question No.21 | 4.00 |
| Choose the best synonym of the italicized word. | Bookmark □ |
| Dr. Elango is in the habit of using obsolete words. | |
| outdated simple | |
| © difficult | |
| ○ wrong | |
| | |

| Question No.22 | 4.00 Bookmark |
|--|------------------------------|
| Which is wrong about nucleic acids? © DNA is single stranded in some viruses | |
| RNA is double stranded occasionally | |
| C Length of one helix is 45A° in B-DNA | |
| One turn of Z-DNA has 12 bases | |
| Question No.23 | 4.00 Bookmark □ |
| Being awarded the Best Singer in 2010 marked a in her life. | DOORINAIR [|
| © milestone | |
| O memorial | |
| © sign-post | |
| O yardstick | |
| Question No.24 | 4.00 |
| Which type of molecule forms the double layer of the plasma membrane? | Bookmark □ |
| © Phospholipids | |
| © Ribosomes | -44 |
| © Deoxyribonucleic acid | |
| O lon channels | |
| Question No.25 | 4.00 |
| Nidhi walks 10 metres in front and 10 metres to the right. Then every time turning to h | Bookmark 🔽 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? | ier ieit, sne waiks |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? © 10 metres | ier ieit, sne waiks |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point?10 metres5 metres | ier ieit, sne waiks |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? © 10 metres | ier ieit, srie walks |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres | 4.00 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above | |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above Question No.26 Hypophysation is done in major carps | 4.00 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above | 4.00 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability | 4.00 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size | 4.00 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries | 4.00 |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries To increase their growth Question No.27 During which geological period was there an explosive increase in the number of magnetic starting point? | 4.00 Bookmark 4.00 Bookmark |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries To increase their growth | 4.00 Bookmark 4.00 Bookmark |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries To increase their growth Question No.27 During which geological period was there an explosive increase in the number of mainvertebrates phyla? | 4.00 Bookmark 4.00 Bookmark |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries To increase their growth Question No.27 During which geological period was there an explosive increase in the number of mainvertebrates phyla? Devonian | 4.00 Bookmark 4.00 Bookmark |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries To increase their growth Question No.27 During which geological period was there an explosive increase in the number of mainvertebrates phyla? Devonian Ordovician | 4.00 Bookmark 4.00 Bookmark |
| 5, 15 and 15 metres respectively. How far is Nidhi now from her starting point? 10 metres 5 metres 15 metres None of the above Question No.26 Hypophysation is done in major carps To increase their palatability To increase size To increase breeding in fisheries To increase their growth Question No.27 During which geological period was there an explosive increase in the number of mainvertebrates phyla? Devonian Ordovician Permian | 4.00 Bookmark 4.00 Bookmark |

| Question No.28 | 4.00 Bookmark |
|---|---------------|
| Find the odd one out? | BOOKINGI K |
| © Deduction | |
| © Withdrawal | |
| © Deposit | |
| O Debit | |
| Question No.29 | 4.00 |
| | Bookmark 🔽 |
| This is the school where I studied till class 5. The underlined word is a | |
| O adverb | |
| © preposition | |
| © pronoun | |
| ○ adjective | |
| · | |
| Question No.30 | 4.00 |
| To distinguish Chikungunya from dengue fever, During an outbreak following test is used | Bookmark □ |
| O Hemagglutination Neutralization Test | |
| Hemagglutination Inhibition test | |
| Nucleic acid detection by PCR | |
| ○ IgM capture ELISA | |
| | |
| Question No.31 | 4.00 |
| Coral reefs are of three types | Bookmark |
| O Holozoic reefs Barrier reefs Atoll | |
| ○ Fringing reefs Barrier reefs Atoll | |
| © Fringing reefs Barrier reefs Rhizopoda reefs | |
| C Fringing reefs Development reefs Atoll | |
| | |
| | |
| | |
| Question No.32 | 4.00 |
| | Bookmark □ |
| What three structures present among all chordates? | |
| O Vertebrate, notochord and regulatory network | |
| O Dorsal neural tube, gangial system, receptor efferent | |
| Regulatory network, receptor efferent, dorsal neural tube | |
| © Branchial clefts, notochord and dorsal neural tube | |
| Question No.33 | 4.00 |
| | Bookmark □ |
| What is the key question in the field of statistical estimation? | |
| There is no key question in statistical estimation Record on my random comple, what is my estimate of normal distribution? | |
| © Based on my random sample, what is my estimate of normal distribution? | |
| Based on my random sample, what is my estimate of the population parameter? Is the value of my sample statistic unlikely enough for me to reject the null hypothesis | , |
| So the value of my sample statistic unlinely enough for the to reject the mult hypothesis | : |

| Question No.34 | 4.00 Bookmark □ |
|--|--------------------------|
| Margaret Dayhoff developed the first protein sequence database called Atlas of protein sequence and structure | |
| Protein sequence databankSWISS PROT | |
| © PDB | |
| Question No.35 | 4.00 Bookmark |
| Adaptive immunity is mediated by B cells and T cells. B cells lack a typical receptor of its or receptor is often | |
| © An IgE molecule | |
| C An IgA molecule An IgM molecule | |
| ○ An IgG molecule | |
| Question No.36 | 4.00 |
| A post hoc test is | BOOKIIIAIK [|
| A test to determine regression to the mean A follow up test to the independent t-test | |
| A follow-up test to the analysis of variance when there are three or more groups | |
| C A test to compare two or more means in one overall test | |
| Question No.37 | 4.00 Bookmark |
| A toxin that blocked the voltage –gated sodium channels of neurons would | |
| slow down the depolarization phase of the action potential prevent depolarization after an action potential was triggered | |
| oprevent action potentials by keeping the cell from depolarizing | |
| Slow down the repolarization phase of the action potential | |
| Question No.38 | 4.00 |
| The gene responsible for initiating male development in a fetus is © MIF gene | |
| | |
| STD gene XY gene | |
| © SRY gene | |
| | |
| Question No.39 | 4.00 |
| Hormone most directly associated with stress response is | Bookmark □ |
| © Thyroxine (T4) | |
| Tri iodothyronine (T3)Cortisol | |
| © Growth hormone | |
| | |

| Question No.40 | 4.00 |
|---|---------------------------------------|
| Genes between related organism exhibits high variation. The variations would maximally Polyadenylation site Intron | Bookmark ☐ occur in |
| © Exons | |
| © Promoters | |
| Question No.41 | 4.00 |
| Fat cells release fatty acids in response to O low insulin levels | Bookmark <u></u> |
| high glucagon levelslow glucagon levels | |
| C high insulin levels | |
| Question No.42 | 4.00 |
| Which of the following DNA binding domain contains leucine zipper? C Thyroid hormone receptor C Lac repressor CRE A Cro | Bookmark |
| A heterologous protein for its expression in the milk of a transgenic animal should be und of the promoter of the gene coding for B globin Preproinsulin B lactoglobulin Lac Z | 4.00 Bookmark Ider the control |
| Question No.44 | 4.00 Bookmark |
| List out the subphyla of chordata | |
| Vertebrate, protochordata Protochordata, notochordata, cephalochordata | |
| C Urochordata, cephalochordate, vertebrate | |
| ○ Vertebrate, notochordata | |
| Question No.45 | 4.00 Bookmark ✓ |
| Which of the following statement is true regarding migration of bio molecules? | Dookmark M |
| The rate of migration is directly proportional to the resistance of the medium | |
| The rate of migration is inversely proportional to the current Low voltage is used for the separation of high molecular weight compounds | |
| The rate of migration is directly proportional to the current | |
| | |

| Question No.46 | 4.00 Bookmark □ |
|---|--------------------|
| Which technique is most likely to be used by a molecular geneticist? Establishing crosses between genetic variants. Analysis of the amount of genetic variation in a population of individuals Production of a new mutant allele of an interesting gene. Identification of a previously unknown species | |
| | |
| Question No.47 | 4.00 Bookmark □ |
| What component is not involved in mRNA splicing © 28S rRNA | |
| Consensus sequences at the 5' and 3' ends of the intron | |
| Spliceosome2'OH group of the ribose sugar at splice site | |
| | |
| Question No.48 | 4.00 Bookmark |
| Classification of porifera on the basis of endoskeleton Oligochaeta Calcarea Demospongia Calcarea Demospongia Hexetinellida | |
| Demospongia Hexetinellida Hirudina Hirudina Polychaeta Archiannelida | |
| Question No.49 | 4.00 |
| Paul Berg's gene splicing experiment created the first rDNA molecule which was a A T4 phage fragment incorporated into SV40 vector A lambda phage fragment incorporated into pSC 101 vector A lambda phage fragment incorporated into SV40 vector A T4 phage fragment incorporated into pSC 101 vector | Bookmark □ |
| Question No.50 | 4.00 |
| Early embryo are enclosed with Vitellin membrane Fertilization membrane Placenta Plasma membrane | Bookmark □ |
| | |

| Question No.51 | 4.00 |
|--|--------------------|
| The N atoms at positions 3 and 9 of purine base are derived from the amide nitrogen of | Bookmark 🔽 |
| C Asparagine | |
| ○ Aspartate | |
| © Glutamate | |
| © Glutamine | |
| | |
| | |
| Question No.52 | 4.00 Bookmark |
| Number of species of Osteichthyes are | DOORIIIAIK [_ |
| © 10,000 | |
| C 15,000 | |
| C 25,000 | |
| © 20,000 | |
| Question No.53 | 4.00 |
| Everation ergen and glands of mallune are | Bookmark ✓ |
| Excretion organ and glands of mollusc are C Coxal gland, renel gland, keber's gland, organ of bajonus | |
| © Metanephridia, velliger, trocophore | |
| Coxal gland, renel gland, trocophore, glochidium | |
| Coelomoduct, trocophore, glochidium | |
| Question No.54 | 4.00 |
| | Bookmark 🔽 |
| Mineral associated with cytochrome is Ca | |
| c Mg | |
| o Cu | |
| ○ Fe | |
| | |
| Question No 55 | 4.00 |
| Question No.55 | 4.00 Bookmark □ |
| The recent development in the field of proteomics is | |
| The recent development in the field of proteomics is © MALDI – TOF mass spectroscopy | |
| The recent development in the field of proteomics is MALDI – TOF mass spectroscopy Protein chip | |
| The recent development in the field of proteomics is © MALDI – TOF mass spectroscopy | |
| The recent development in the field of proteomics is C MALDI – TOF mass spectroscopy Protein chip Metabonomics Bioinformatics | |
| The recent development in the field of proteomics is MALDI – TOF mass spectroscopy Protein chip Metabonomics | Bookmark 4.00 |
| The recent development in the field of proteomics is C MALDI – TOF mass spectroscopy Protein chip Metabonomics Bioinformatics | Bookmark <u></u> □ |
| The recent development in the field of proteomics is MALDI – TOF mass spectroscopy Protein chip Metabonomics Bioinformatics Question No.56 The form of DNA that closely corresponds to average structure of DNA is C-form | Bookmark |
| The recent development in the field of proteomics is MALDI – TOF mass spectroscopy Protein chip Metabonomics Bioinformatics Question No.56 The form of DNA that closely corresponds to average structure of DNA is C-form Z-form | Bookmark 4.00 |
| The recent development in the field of proteomics is MALDI – TOF mass spectroscopy Protein chip Metabonomics Bioinformatics Question No.56 The form of DNA that closely corresponds to average structure of DNA is C-form | Bookmark 4.00 |

| Question No.57 | 4.00 |
|---|--|
| | Bookmark □ |
| Messenger RNAs were not visible as discrete bands in your RNA gel because | |
| © The molecular weight of mRNA varies tremendously | |
| © The concentration of RNAs were too high | |
| mRNAs are much less stable than rRNAs | |
| nRNAs were not extracted | |
| Question No.58 | 4.00 |
| | Bookmark □ |
| Choose the best synonym of the italicized word. | |
| Children of excessively indulgent parents often become very recalcitrant. | |
| © indolent | |
| ○ insolent | |
| C disobedient | |
| © dependent | |
| | |
| Question No.59 | 4.00 |
| | Bookmark □ |
| Which of the following membrane protein is involved in Hedgehog signaling? | |
| O Frizzled | |
| O Integrin | |
| O RTK | |
| © Patched | |
| Question No.60 | 4.00 |
| Question 140.00 | 4.00 |
| | Bookmark |
| Where are branchial clefts found in humans? | Bookmark <u></u> □ |
| | Bookmark <u></u> □ |
| Where are branchial clefts found in humans? © Branchial clefts located in the anterior region of nostrils, present only during the em | Bookmark ☐ |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the | Bookmark bryonic embryonic |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the emstage and clefts located in the anterior region of cerebrum, present only during the emstage and clefts located in the anterior region of cerebrum. | Bookmark bryonic embryonic embryonic |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later | Bookmark bryonic embryonic embryonic embryonic |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later Branchial clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx, present only during the emstage and clefts located in the anterior region of pharynx. | Bookmark bryonic embryonic embryonic |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response | Bookmark bryonic embryonic embryonic hbryonic |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 | Bookmark abryonic embryonic embryonic hbryonic |
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| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the estage and disappear later Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response Cerebrum Thalamus Hypothalamus | Bookmark abryonic embryonic embryonic hbryonic |
| Where are branchial clefts found in humans? © Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later © Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later © Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later © Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response © Cerebrum © Thalamus © Hypothalamus © Pons Question No.62 | Bookmark abryonic e embryonic embryonic hbryonic 4.00 Bookmark |
| Where are branchial clefts found in humans? Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response Cerebrum Thalamus Hypothalamus Pons Question No.62 Protein containing PDZ domain play fundamental role in | Bookmark abryonic embryonic embryonic hbryonic 4.00 Bookmark 4.00 |
| Where are branchial clefts found in humans? © Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later © Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later © Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later © Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response © Cerebrum © Thalamus © Hypothalamus © Pons Question No.62 Protein containing PDZ domain play fundamental role in © Protein phosphorylation | Bookmark abryonic embryonic embryonic hbryonic 4.00 Bookmark 4.00 |
| Where are branchial clefts found in humans? © Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later © Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later © Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later © Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response © Cerebrum © Thalamus © Hypothalamus © Pons Question No.62 Protein containing PDZ domain play fundamental role in © Protein phosphorylation © Organizing the plasma membrane of the post synaptic cell | Bookmark abryonic embryonic embryonic hbryonic 4.00 Bookmark 4.00 |
| Where are branchial clefts found in humans? © Branchial clefts located in the anterior region of nostrils, present only during the emstage and disappear later © Branchial clefts located in the anterior region of spinal cord, present only during the stage and disappear later © Branchial clefts located in the anterior region of cerebrum, present only during the stage and disappear later © Branchial clefts located in the anterior region of pharynx, present only during the enstage and disappear later Question No.61 Many of sensory stimuli of nervous system are converted into hormonal response © Cerebrum © Thalamus © Hypothalamus © Pons Question No.62 Protein containing PDZ domain play fundamental role in © Protein phosphorylation | Bookmark abryonic embryonic embryonic hbryonic 4.00 Bookmark 4.00 |

| Question No.63 | 4.00 |
|---|---------------|
| Many bires la sula sana transporta di franza revala de se tanda que tibra con la companya de se esta de la comp | Bookmark □ |
| Many bimolecules are transported from nucleus to cytoplasm through nuclear pores. Which is continuously transported from nucleus to cytoplasm | n moiecules |
| © Ribosomes | |
| C DNA | |
| C RNA | |
| © Protein | |
| | |
| Question No.64 | 4.00 |
| Endostatin | Bookmark □ |
| © Agonist of VEGF receptor | |
| C Antagonist of VEGF receptor | |
| C Inhibits angiogenesis | |
| © Promotes angiogenesis | |
| o i follotes angiogenesis | |
| | |
| | |
| Question No.65 | 4.00 |
| | Bookmark □ |
| Which of the following is not the objective to perform sequence comparison? | |
| C To observe patterns of conservation | |
| C To study the physical properties of molecules | |
| ○ To study evolutionary relationships | |
| C To find the common motifs present in both sequences | |
| Question No.66 | 4.00 |
| | Bookmark □ |
| Which of the following types of tissue cannot utilize fats as an energy source? | |
| C Adipose tissue | |
| O Muscle | |
| O Neural tissue | |
| C Liver | |
| | |
| Question No.67 | 4.00 Bookmark |
| Choose the best antonym of the italicized word. | DOOKIIIAIK [|
| The deliberate suavity of Olaf's behavior made the emotions of the audience volatile. | |
| C stupidity | |
| ○ impetuosity | |
| O politeness | |
| C pleasantness | |
| Overell and No. CO. | 1.00 |
| Question No.68 | 4.00 Bookmark |
| Blood Alcohol Concentration is a measurement of | |
| C the number of alcohol death in the state | |
| the concentration of alcohol in the blood | |
| ○ how long a person has been drinking alcohol | |
| C how fast a person reacts after drinking alcohol | |
| | |

| Question No.69 | 4.00 |
|---|--------------------|
| The montional act of calle that drives the reconstruction, who there is the | Bookmark 🔽 |
| The particular set of cells that drives the respiratory rhythm is the medullary inflammatory neurons | |
| © medullary inspiratory neurons | |
| © medullary respiratory neurons | |
| © medullary expiratory neurons | |
| , | |
| Question No.70 | 4.00 |
| Pressor effect functions | Bookmark ✓ |
| Pressor effect functions © Involuntary muscles in the walls of the intestine, gall bladder, urinary bladder and be vessels are stimulated to contract by ADH. | lood |
| © Reabsorption of water from the glomerular filtrate is increased | |
| C It promotes contraction of uterine muscle and contraction of the myoepithelial cells lactating breast. | of the |
| C It stimulates the corpus luteum of the ovary to secrete progesterone hormone | |
| Question No.71 | 4.00 |
| There is no coding sequence (CDS) for the 16S rRNA gene in <i>E. coli</i> because it is C rapidly degraded by RNAses | Bookmark <u></u> |
| ○ found only in eukaryotes | |
| not translated | |
| O not transcribed | |
| Question No.72 | 4.00 |
| | Bookmark |
| | |
| | |
| (1) (2) (3) (4) | |
| 0.3 | |
| C 2 | |
| 0.4 | |
| o 1 | |
| Question No.73 | 4.00 |
| Question No.70 | Bookmark □ |
| A can finish a work in 18 days and B can do the same work in half the time taken by A. Th | |
| together, what part of the same work they can finish in a day? | |
| © 0 1/6 | |
| C 0 1/8 | |
| 0 0 1/4 | |
| C 0 1/2 | |
| Question No.74 | 4.00 |
| | Bookmark 🗆 |
| Crop farming and milk production is an example of | |
| C Complementary enterprises | |
| © Equitable enterprises | |
| C Supplementary enterprises | |
| C Competitive enterprises | |

| | Admission A |
|---|--------------------------|
| Question No.75 | 4.00 Bookmark |
| In mammalian females, two X chromosomes are present. Expression of genes on both ch may lead to gene dosage imbalance. This problem is solved by a process called dosage compensation. Dosage compensation is achieved by | |
| © Elimination of one X chromosome | |
| C Hyperactivation of one X chromosome | |
| ○ Methylation of one X chromosome | |
| C Hypoactivation of both X chromosome | |
| Question No.76 | 4.00 |
| | Bookmark □ |
| Select the Pair that best respresents the relationship that is given in the question: Explore: Discover | |
| © Books : Knowledge | |
| ○ Think : Relate | |
| ○ Tree : Wood | |
| ○ Research : Learn | |
| | |
| | A |
| Question No.77 | 4.00 |
| Question No.77 BLAST uses a | 4.00 Bookmark |
| | |
| BLAST uses a | |
| BLAST uses a © Substitution matrix © Hashing procedure | |
| BLAST uses a © Substitution matrix © Hashing procedure © Ktups | |
| BLAST uses a © Substitution matrix © Hashing procedure | |
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| BLAST uses a Substitution matrix Hashing procedure Ktups Scored matrix Question No.78 A segment of DNA has 120 adenine and 120 cytosine bases. The total number of nucleot present in the segment is | Bookmark 4.00 Bookmark |
| BLAST uses a Substitution matrix Hashing procedure Ktups Scored matrix Question No.78 A segment of DNA has 120 adenine and 120 cytosine bases. The total number of nucleot present in the segment is 240 | Bookmark 4.00 Bookmark |
| BLAST uses a Substitution matrix Hashing procedure Scored matrix Question No.78 A segment of DNA has 120 adenine and 120 cytosine bases. The total number of nucleot present in the segment is 240 480 | Bookmark 4.00 Bookmark |

| Question No.79 | 4.00 |
|--|--------------------|
| Basic characters of non- chordata | Bookmark ✓ |
| Notochord - Absent in every stage of life cycle Gill slits – absent in every stage of life cycle Nervous system – ventral, double and solid Body wall- diploblastic Position of alimentary canal – ventral to dorsal Notochord - Present in any stage of life cycle | |
| Gill slits – Present in any stage of life cycle Nervous system – cord dorsal, single and hollow nerve Body wall- triploblastic Position of alimentary canal – ventral to dorsal | |
| Notochord - Absent in every stage of life cycle Gill slits – absent in every stage of life cycle Nervous system – ventral, double and solid Body wall- diploblastic Position of alimentary canal – dorsal to nerve cord | |
| Notochord - Absent in every stage of life cycle Gill slits – present in any stage of life cycle Nervous system – ventral, double and solid Body wall- diploblastic Position of alimentary canal – dorsal to nerve cord | |
| Overflow No 90 | 4.00 |
| Question No.80 | 4.00 Bookmark □ |
| Eunuchoidism | |
| Excess of oestrogens secreted by tumours of ovaries and adrenal glands. | |
| Early maturation of ovaries and testes with production of ova | |
| Failure of testosterone secretion causes eunuchoidism | |
| C Excessive development of male mammary glands | |
| Overfine No 04 | 4.00 |
| Question No.81 | 4.00 Bookmark |
| A statistical test used to compare 2 or more group means is known as | DOOKIIIAI K |
| One-way analysis of variance | |
| t-test for correlation coefficients | |
| Post hoc test | |
| ○ Simple regression | |
| | |
| Question No.82 | 4.00 |
| | Bookmark □ |
| Which one of the following is a uricotelic organism | |
| C Aquatic complibions | |
| Aquatic amphibiansMammals | |
| © Bony fishes | |
| O Bully listles | |
| | |

| Question No.83 | 4.00 Bookmark |
|---|--------------------|
| Species that occur in different geographical regions separated by special barrier are | DOOKINAIK [_ |
| O Sympatric | |
| AllopatricAlepatric | |
| © Sibling | |
| | |
| Question No.84 | 4.00 Bookmark □ |
| When does bone start to replace cartilage? | DOOKIIIAI K |
| ○ fifth week | |
| C fourth month | |
| O third month | |
| © second month | |
| Question No.85 | 4.00 |
| | Bookmark □ |
| Which of the following is most useful in amplifying small stimuli in sensory neurons? Channel proteins | |
| © Epinephrine | MA |
| © G-protein complex | |
| © Biogenic amines | |
| | |
| Question No.86 | 4.00 Bookmark □ |
| An application of the accounting principles to the business of farming | DOOKIIIAIK [_ |
| © Farm planning | |
| ○ Farm accounting | |
| ○ Farm budgeting | |
| © Marketing | |
| Question No.87 | 4.00 |
| | Bookmark □ |
| If a diploid cell is treated with colchicines, then it becomes | |
| C Diploid C Tetraploid | |
| © Monoploid | |
| © Triploid | |
| <u> </u> | |
| Question No.88 | 4.00 |
| Chlorofluorocarbon (CFC) remains in atmosphere for | Bookmark [|
| © 10 to 20 years | |
| ○ 80 to 90 years | |
| C 22 to 111 years | |
| ○ 30 to 50 years | |
| | |
| | |
| | |

| Question No.89 | 4.00 |
|--|--------------------|
| Francisco for Arrabaida | Bookmark ☑ |
| Examples for Arachnida | |
| C Limulus, Palameneus, Lycosa, Collumbella, Ixodes, Chorioptes | |
| C Limulus, Glassina, Lepisma, Archaeranea, Ixodes, Cicadas | |
| Xenopsella, Palameneus, Lycosa, Collumbella, Photinus, Cicadas | |
| C Limulus, Palameneus, Lycosa, Archaeranea, Ixodes, Chorioptes | |
| | |
| | |
| | |
| Question No.90 | 4.00 |
| | Bookmark |
| Fluid mosaic model was proposed by | |
| O Schleiden and Schwann | |
| O Singer and Nicolsan | |
| ○ Watson and Crick | |
| ○ Robert Brown | |
| Question No.91 | 4.00 |
| | Bookmark 🔽 |
| Of every 100 secondary oocytes that are exposed to sperm, how many infants are a | ctually born live? |
| C About 95 | |
| C About 31 | |
| ○ Around 75 | |
| C Approximately 50 | |
| Ougstion No 02 | 4.00 |
| Question No.92 | 4.00 Bookmark □ |
| The first step in colon carcinogenesis involves | DOOKIIIAIK [_ |
| C Loss of functional APC gene | |
| C Loss of functional c-myc gene | |
| C Loss of functional ras gene | |
| O Both a and c | |
| O Botta and C | |
| Question No.93 | 4.00 |
| | Bookmark □ |
| Which one of the following genetic diseases is sex-linked? | |
| O Hypertension | |
| Cystic fibrosis | |
| C Tay-Sachs disease | |
| © Royal haemophilia | |
| Question No.94 | 4.00 |
| The production of complete animals from somatic cells of an animal is called | Bookmark □ |
| Animal cloning | |
| © Gene cloning | |
| © Cell cloning | |
| © Embryo cloning | |
| ~ Embryo doming | |

| Question No.95 | 4.00 |
|--|--------------------|
| Sodium Antimony Stibogluconate is drug of choice in | Bookmark |
| © Dengue | |
| O Japanese encephalitis | |
| © Filiariasis | |
| © Kala azar | |
| Traia azar | |
| Question No.96 | 4.00 |
| Quodion 110100 | Bookmark □ |
| Telomerase is active in | - |
| © E. coli cells | |
| All somatic cells (regardless of their location in the body) | |
| S. pneumoniae cells | |
| C Mouse testicular tissue | |
| O Mouse testicular tissue | |
| | |
| | |
| | |
| Question No.97 | 4.00 |
| Question No.97 | Bookmark |
| Statement: Ten Candidates, who were on the waiting list could finally be admitted to the | |
| Assumptions: | |
| I. A large of number of candidates were on the waiting list. | |
| II. Wait listed candidates do not ordinarily get admission. © If only assumption II is implicit | |
| | |
| If only assumption I is implicit If health level II are insulation. | |
| o If both I and II are implicit | |
| O If neither I nor II is implicit | |
| Our Car No 20 | 4.00 |
| Question No.98 | 4.00 Bookmark |
| When their father died, their elder brother sold the old house and in a sm | |
| off suburb | all flat iii a fai |
| c put them up | |
| c set them down | |
| © set them up | |
| © put them down | |
| | |
| | |
| | |
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| | |
| | |

Question No.99 4.00

Bookmark [

Study the following information carefully and answer the question below it

The Director of an MBA college has decided that six guest lectures on the topics of Motivation, Decision Making, Quality Circle, Assessment Centre, Leadership and Group Discussion are to be organised on each day from Monday to Sunday.

- (i) One day there will be no lecture (Saturday is not that day), just before that day Group Discussion will be organised.
- (ii) Motivation should be organised immediately after Assessment Centre.
- (iii) Quality Circle should be organised on Wednesday and should not be followed by Group Discussion
- (iv) Decision Making should be organised on Friday and there should be a gap of two days between Leadership and Group Discussion

Which of the following information is not required for the above lecture arrangements?

- Only (iii)
- All are required
- Only (ii)
- Only (i)

Question No.100 4.00

Bookmark 🗸

The plasmid used by cohen and boyer for their transformation experiment was

- © pSC 101
- O PUC 17
- O pBR 322
- C E. coli plasmid