

## Biology FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The leaf unrolling is promoted by red light in.	A. Monocot B. Dicot C. Ferns D. Gymnosperm
2	In Pakistan among the animals declared extinct is	A. White headed duck B. Marbled teal C. Houbara Bustard D. Crocodile
3	The gens found in a breeding population constitute.	A. Genotype B. Genome C. Gene frequency D. Gene pool
4	Mature bone cells are called as	A. osteocytes B. Chondrocytes C. Osteoblasts D. Blastocytes
5	Who believed in the theory of special creation.	A. Lamark B. Darwin C. Carolus Linnaeus D. Hyell
6	Promotes closing of stomata under conditions water stress.	A. Etthene B. Absciscic acid C. Cytokinnins D. Gibberellins
7	Oxone molecule is made up by binding of three atoms of	A. Nitrogen B. Oxygen C. Hydrogen D. Carbon
8	When expression of a biological character is observed in variable intensity, it is due to the effect of:	A. Multiple alleles B. Codominance C. Epitasis D. Polygenic inheritance
9	Contractile ring in cytokinesis is formed by	A. Tubulin B. Actin and Myosin C. Keratin D. Cyclin
10	Kidney health is described in terms of :	A. The number of kidney stones B. Rate of filtration C. Water retention D. Blood clot
11	During cell division, the nuclear division is called.	A. Cytokinesis B. Karyokinesis C. Plasmolysis D. Karyotype
12	$^{32}\text{P}$ and $^{35}\text{S}$ labeled viruses were used in his experiments by	A. Watson & Crick B. Hershey & Chase C. Wilkins & Franklin D. Correns & Bridge
13	Clear cytoplasm produces.	A. Muscle cells B. Gut C. Larval epidermis D. Notochord
14	Rapid aging and less resistance to environmental stress and diseases are limitations of.	A. Parthenocarp B. Cloning C. Phototropism D. Verbalization
15	In cats the dominant allele W not only makes pure white but also causes	A. Black spots B. Brown spots C. Deafness D. Blindness

16	The number of lumbar vertebrae are	A. 5 B. 7 C. 12 D. 33
17	Plantigrade mode of Locomotion is.	A. Monkey B. Rabbit C. Goat D. Rodents
18	A condition in which palatine processes of maxilla and palatine fall to fuse is.	A. Microcephaly B. Cleft palate C. Fused palate D. Osteoarthritis
19	ABO Blood group system in man is encoded by a polymorphic gene I on chromosome.	A. 7 B. 9 C. 10 D. 23
20	The loss of water due to ex osmosis from plant cells causes plant to.	A. Turgid B. Wilt C. Rupture D. Seel
21	The upper layer of earth crust is .	A. Rock B. Sand C. Soil D. Clay
22	Which one of the following pairs represents analogous features?	A. Elephant tusks & Human incisors B. Insect wings & bat wings C. Mammal fore limb & bird wing D. Reptilian heart & mammalian heart
23	The distinct levels of food chain are called.	A. Food chain B. Food Web C. Trophic level D. Energy pyramid
24	The earth surface covered with water is	A. 35% B. 11% C. 21% D. 33%
25	the basic functional unit of ecology is	A. Niche B. Ecosystem C. Community D. Population
26	Cystic fibrosis patients lack a gene that codes for trans membrane carrier of.	A. Chloride ion B. Calcium ion C. Sodium ion D. Magnesium ion
27	If an mRNA is synthesized with the different codons, what is the minimum number of amino acids in the protein that is formed by the mRNA?	A. 64 Amino acids B. 62 Amino acids C. 60 Amino acids D. None of them
28	Trisomy of chromosome 18 is found in.	A. Down's syndrome B. Edward syndrome C. Patau syndrome D. Jacob's syndrome
29	From beginning of the third month of pregnancy's, the human embryo is referred to as the.	A. Foetus B. Neonate C. Placenta D. Young one
30	The removal of apex release that lateral buds from the apical dominance. It is called	A. Inhibitory effect B. Compensatory effect C. Apical dominance D. Reproduction
31	The Sclerenchyma has thick secondary walls usually impregnated with.	A. Chitin B. Pectin C. silica D. Lignin
32	The series of changes which involve period of growths replication of DNA followed by cell division may be named as	A. DNA cycle B. Nuclear cycle C. Cell cycle D. Chemical cycle

A. Africa

33	Armadillos the armoured mammals live only in the	<b>B. America</b> C. Europe D. Asia
34	Using the hardin-weinberg principle, which expression represents the frequency of the homo-zygous recessive genotype?	A. $p^2$ B. $2p$ <b>C. <math>q^2</math></b> D. $q$
35	Anti thrombin III is a biotechnological produce produces in.	A. sheep <b>B. Goat</b> C. Mice D. Cow
36	Pinus wallichiana pinus roxburghii Abies pindrow picea smithiana Cedrus deodara are plants of	<b>A. Coniferous alpine and boreal forests</b> B. Temperate deciduous forests C. Tropical rain forests D. Grassland ecosystem
37	Bats and humming bird are called	<b>A. Heterotherms</b> B. Ectotherms C. Endotherms D. poikilotherms
38	In which of the following situations would evolution be lowest for an inter breeding population?	<b>A. <math>\langle b \rangle</math>Migration Selection Pressure Variation(Due to Mutation) <math>\langle /b \rangle</math>Absent <math>\langle b \rangle</math> <math>\langle /b \rangle</math>Low Low</b> B. $\langle b \rangle$ Migration Selection Pressure Variation(Due to Mutation) $\langle /b \rangle$ Absent $\langle b \rangle$ $\langle /b \rangle$ High High C. $\langle b \rangle$ Migration Selection Pressure Variation(Due to Mutation) $\langle /b \rangle$ High Low High D. $\langle b \rangle$ Migration Selection Pressure Variation(Due to Mutation) $\langle /b \rangle$ High $\langle b \rangle$ $\langle /b \rangle$ High Low
39	Fluid secreted by Sertoli cells provides liquid medium, protection and nourishment to.	A. Oocyte <b>B. Sperms</b> C. Polar body D. Spermatids
40	The functions of oxytocin are to _____	A. Cause the uterus to contract B. Induce labor C. Stimulate the release of milk from the mother's mammary glands when her baby is nursing <b>D. All of the above</b>
41	It is estimated that human genome could take an encyclopaedia of 200 volumes each with	A. 10 pages B. 100 pages C. 1000 pages <b>D. 10,000 pages</b>
42	An unwanted clone of cells and establishment of secondary areas of growth is called.	<b>A. Tumor</b> B. Growth C. Lump D. Swelling
43	Which is the most important mechanism for water loss from the body?	<b>A. Excretion in urine</b> B. Sneezing C. Sweating D. Elimination in feces
44	A strand of DNA, which is not transcribed is called as.	A. Template strand <b>B. Antisense strand</b> C. Lagging strand D. coding strand
45	The internal hydrostatic pressure in plants is.	A. Root <b>B. Turgor</b> C. Osmotic D. Solute
46	Gene pool consists of all alleles at all gene loci in all individuals of the	A. Family B. Clan <b>C. Population</b> D. Community
47	Which of the following is a 'start' codon	<b>A. AUG</b> B. UAG C. UAA D. UGA
48	Pavlov performed experiments on dog to prove	<b>A. Conditional reflex I</b> B. Conditional reflex II C. Habituation D. Translocation

		D. Imprinting
49	The chromatids repel each other during.	A. Leptotene B. Zygotene C. diplotene D. Pachytene
50	Species which is imminent danger of extinction throughout its range is called.	A. Scare species B. Threatened species C. Rare species D. endangered species
51	The human life is judged to be maximum of.	A. 60-70 years B. 70-100 years C. 120 -175 years D. 130-135 years
52	Each bivalent has	A. Twochromatids B. Four chromatids C. Both a & b D. None of these
53	In Meselson and Stahl experiment, the DNA from sample at 20 minutes, after centrifugation it made sediments at the :	A. Top B. Bottom C. Intermediate D. Top & intermediate
54	No of chromosomes in Honey bee are.	A. 6 B. 20 C. 32 D. 40
55	Reptiles and birds are.	A. Viviparous B. Oviparous C. Marsupial D. Ovoviviparous
56	What are significant happening of meiosis.	A. Crossing over B. Random assortment of chromosome C. Linkage D. Crossing over and random assortment of chromosomes
57	Human cells contain types of tRNA molecules.	A. 20 B. 45 C. 195 D. 300
58	Gray vegetal cytoplasm gives rise to.	A. Gut B. Muscle cells C. Notochord D. Larval epidermis
59	The ultimate source of change is.	A. Evolution B. Mutation C. Genetic drift D. Migration
60	In tropical and subtropical grassland rain reaches about	A. 1500 mm B. 2000 mm C. 2500 mm D. 3000 mm
61	Which one of the following is excretophore.	A. Stem B. Leaves C. Roots D. Bark
62	Euglena moves with the help of.	A. Cillium B. Pseudopodium C. Flagellum D. Myonemes
63	Which light enhance cell division and retards cell enlargement.	A. Red B. Green C. Blue D. Violet
64	The particular array of chromosomes that an individual possesses called its.	A. Genotype B. Phenotype C. epistasis D. Karvotype
65	Each muscle fibre contains a large number of myofibrils having a diameter of	A. 1 - 2 mm B. 1 - 5 mm C. 2 - 4 mm D. 3 - 7 mm

66	The kinetochore fibres of spindle attach to the kinetochore region of chromosome and align them at the equator of the spindle forming	A. Equatorial plate B. Metaphase plate C. Central plate D. Both a & b
67	The part of human limbic system.	A. Amygdala B. Cerebrum C. Thalamus D. Pons
68	Once nitrate enters the plant cell it is reduced to.	A. Nitrite B. Ammonia C. Carbohydrate D. Proteins
69	Repeating units of DNA are called.	A. Histones B. Nucleosides C. Nucleotides D. Amino acids
70	Photoperiod effects flowering when shoot meristems start producing.	A. Floral buds B. Leaves C. Lateral buds D. Branches
71	An enzyme that can be used to treat a human lysosome storage disease is	A. B-galactosidase B. a-galactosidase C. Glucosidase D. Invertase
72	In which type of ecosystem in the smallest fraction of nutrients present in soil.	A. Forest B. Savanna C. Grass land D. Desert
73	A localized group of individuals belonging to the same species is called as.	A. Community B. Population C. Ecosystem D. Bio sphere
74	The average rain fall in temperate deciduous forest is between	A. 600-1500 mm B. 650 -1500 mm C. 750-1500 mm D. 700 -1500 mm
75	Second meiotic division in oocytes, until fertilization proceeds as far as.	A. Prophase B. Metaphase C. Telophase D. Anaphase
76	Which animal shows digitigrade mode of locomotion.	A. Bear B. Dear C. Rabbit D. Horse
77	The maturity on set diabetes of the young is	A. an autosomal recessive trait B. An autosomal dominant trait C. A sex linked trait D. A sex influenced trait.
78	Which is the end of muscle which remain fixed when then muscle contracts.	A. Insertion B. Origin C. Tendon D. Belly
79	Positive gravitropism of root is due to.	A. Auxin B. gibberellin C. Absciscic acid D. Ethene
80	Anti codes present on	A. mRNA B. tRNA C. rRNA D. DNA
81	Environmental factors causing abnormal development are grouped together as.	A. Toxins B. Carcinogens C. Teratogens D. Mutagens
82	Metal illness causes.	A. Alzheimer B. Diphteria C. Hemophilia D. Kwashiorkor
83	The genes found in a breeding population constitute.	A. Genotype B. Gene pool C. Genome D. Gene frequency

84	Scum in eutrophication is formed by	A. Fungi B. Algae C. Bacteria D. Cyanobacteria
85	Innate behavior is all but;	A. Heritable B. Intrinsic C. Sterotypic D. Flexible
86	In 1882, chromosomes were first observed by.	A. John Brown B. T.H.Morgan C. Walter fleming D. Walther sutton
87	The skeletal muscles are attached with the bones through the.	A. Tendon B. Ligament C. 7-Line D. Cross bridge
88	In each Nephron inner end form a cup shaped swelling called.	A. Glomerulus B. Henle's loop C. Bowman's capsule D. Pelvis
89	Which is not a biotechnology product.	A. Hepatitis B B. Tissue plasminogen activator C. Human growth hormone D. Hemophilia factor I
90	The removal of sebum on the skin is for	A. Nutrition B. Excretion C. Protection D. Thermoregulation
91	The unspecialized cells present in flatworm and Planaria are.	A. Neoblast B. Osteoblast C. Osteoclast D. Chondrocyte
92	Which sequence of organs is correct in air passage way of man?	A. Nasal cavities larynx phaynx trachia bronchi B. Nasal cavities phaynx trachia larynxbronchi C. Nasal cavities phaynx larynxbronchitrachia D. Nasal cavities phaynx larynxtrachia bronchi
93	Human body temperatrue is controlled by.	A. Hypothalamus B. Pons C. Cerebellum D. Medulla
94	PBR 322 has antibiotic resistant genes for.	A. Tetracycline B. Neomycin C. Ampicillin D. Ergotine
95	In test cross, heterozygous produces.	A. All round B. 50,50 C. All wrinkle D. None of these
96	In case of overheating the body temperature is regulated by:	A. More sweating and more urination B. More sweating and more urination C. Less sweating and more urinattion D. Less sweating and less urinattion
97	In each case succession is initiated by a few hardy invaders called.	A. Starters B. Pioneers C. Decomposers D. Climax community
98	In bacterial and viral infections, pathogens and leukocytes cell produce a chemicals called.	A. Pyrexia B. Toxins C. Affatoxins D. Pyrogen
99	DNA changes are called mutations and the organisms that have undergone such changes are called	A. Wild types B. Changer C. Mutants D. Transmutants
100	Full cell cycle in yeast cells has length of.	A. 30 minutes B. 60 minutes C. 90 minutes D. 124 minutes

101	Fluid secreted by sertoli cells provides sperms	A. Liquid medium B. Protection C. Nourishment D. All a,b,and c
102	Karyb. Mullis developed the polymerase chain reaction in.	A. 1963 B. 1973 C. 1983 D. 1993
103	A general formula called the hard-Weinberg equation is used for calculating the frequencies of alleles and genotypes in populations at	A. Equilibrium B. Balance C. Stability D. Poise
104	The cytoplasmic process/fibre which carry impulse towards cell body is called.	A. Dendron B. Axons C. Neurofibrils D. Nissl's granules
105	Auxins promote growth of roots from	A. Cutting B. Calluses C. Both a & b D. Layering
106	In human Eustachian tubes connect middle ear with	A. Nose B. Eye C. Throat D. Brain
107	Photoperiodism was first studied by garner and allured in.	A. 1918 B. 1920 C. 1922 D. 1924
108	A gene with initiation codon, which encodes the amino acid methionine is.	A. UAA B. UAG C. AUG D. UGG
109	The bacteria in the root nodules fix nitrogen and convert it into	A. Nitrate B. Nitrite C. Amino Acid D. Ammonia
110	In sickle cell anemia disease, a single thymine is replaced with an adenine in the DNA that codes for.	A. Valine B. Glycine C. Histidine D. Glutamic acid
111	Chromatin network is visible during	A. Interphase B. Prophase C. Anaphase D. Metaphase
112	Super cool cytosol, without ice formation, is caused by.	A. Heat shock proteins B. Solutes C. Unsaturated fatty acids D. Enzymes
113	Abdomen has a peritoneal cavity, lined by a thin epithelium called.	A. ectoderm B. endoerm C. Peritoneum D. Epidermis
114	Transfer of genetic material from one cell to other that can alter the genetic make up of recipient cell is called.	A. Transcription B. Replication C. Translation D. Transformation
115	The hyphae of fungi are	A. Phototactic B. Chemotropic C. Geotropic D. Chemotactic
116	Which of the following is renewable source.	A. Oil and Air B. Water and Oil C. Air and Water D. Oil and Natural gas
117	Post mitotic cells can exist the cell cycle during.	A. G1 Phase B. G0 phase C. G3 phase D. S phase
118	The onset of enilensvis usually before age of	A. 10 years B. 20 years

118	The onset of epilepsy usually occurs at age of	C. 30 years D. 40 years
119	A treasure of all types of resources essential to maintain life on earth.	A. Land B. environment C. Water D. Sun
120	Thick filament in myofibril is made up of	A. Myosin B. actin C. Tropomyosin D. Troponin
121	Excess MSH is secreted in	A. Addison's disease B. Parkinson's disease C. Grave's disease D. Alzheimer's disease
122	Blood serum containing antibodies is called.	A. Plasma B. Antigen C. Antiserum D. Immuno globulin
123	Nephridia are the excretory structures present in.	A. Hydra B. Planaria C. Cockroach D. Earth worm
124	In which developmental stage, germ layers are formed.	A. Cleavage B. Blastula C. Gastrula D. Organogenesis
125	Which part of the air passage way possesses cartilage plates in its wall?	A. Bronchiales B. Distal region of bronchi C. Proximal region of bronchi D. Trachea
126	In honey bee, males are haploid and produce sperms by.	A. Mitosis B. Meiosis C. Apomixis D. Parthenogenesis
127	The earliest form of muscles to evolved is.	A. Cardiac muscle B. skeletal muscle C. Smooth muscle D. Involuntary muscle
128	Study of human population and the things that affect them, is called.	A. Human Biology B. sociobiology C. Demography D. Teratology
129	Parthenocarpy is the development of fruit without.	A. Pollination B. Germination C. Fertilization D. Hormones
130	Secretors have dominant secretor gene 'Se' on chromosome.	A. 9 B. 19 C. 21 D. 24
131	Endosymbiont hypothesis explains origin of.	A. cell B. Prokaryotic cell C. Eukaryotic cell D. Ribosome
132	Energy from sun flows through an ecosystem in the form of.	A. Light B. Radiant heat C. Temperature D. Evaporation
133	The chemical waste of industry is called.	A. Pollution B. effluent C. Pollutant D. Toxin
134	The light which promotes germination of fern spores.	A. green B. Yellow C. Red D. White
135	Hind brain includes the medulla pons and	A. Cerebrum B. Cerebellum C. Thalamus D. Amygdala

A. Parthenocarpy

136	Development of an egg into embryo without fertilization is called as.	B. parthenogenesis C. Fragmentation D. Meiosis
137	The incidence of uric acid kidney stones is.	A. 10% B. 15% C. 20% D. 70%
138	Morphological characteristics of chromosome are collectively called.	A. Holotype B. Karyokinesis C. Karyotype D. Neotype
139	Angular thickenings in their primary walls are present in.	A. Parenchyma B. Collenchyma C. Tracheids D. Sclerenchyma
140	The chances of teenage mother having down's syndrome child is.	A. One in one hundred B. One in many thousand C. One in one thousand D. One in ten thousand
141	The Planaria flatworm have simple tubular excretory system known as.	A. Protonephridium B. Mesonephridium C. Prenephridium D. Metanephridium
142	Germ cells in the ovary produce many	A. Spermatogonia B. Zoospores C. Zygospores D. Oogonia
143	There are__ muscles in the human body., most of which occur in pairs.	A. 650 B. 630 C. 660 D. 645
144	Which one of the following is responsible for headache, brain damage and death.	A. Oxides of Nitrogen B. Lead compounds C. CFCs D. Carbon Monoxide
145	A form of air pollution in which airborne acids produced by electric utility plants and other sources fall to Earth in distant regions is	A. Acid rain B. Basic rain C. Heavy rain D. Drizzling
146	Most land mammals respond to cold by raising their.	A. skin B. Furs C. Bristles D. Spines
147	The actual location of place, where an organism lives is called its.	A. Niche B. environment C. Habitat D. Ecosystem
148	Resting membrane potential of a neuron is	A. 50 mv B. -70 mv C. -60 mv D. -80 mv
149	the active uptake of sodium in the loop of Henle is provided by the action of hormone	A. Cortisone B. Testosterone C. Aldosterone D. Progesterone
150	A sequence of three nucleotides in mRNA is called.	A. Cistron B. Codon C. Anticodon D. Templet
151	Reproduction is very important to the survival of.	A. Species B. Individual C. Population D. Community
152	Expression of a trait is termed as	A. Genotype B. Phenotype C. Dominance D. Wild type
153	The most concentrated external environment is termed as.	A. Hypotonic B. Hypertonic C. Osmotic D. Isotonic

154	In 1953 Watson and Crick proposed structure of the	A. RNA molecule B. ATP molecule C. DNA molecule D. NAD molecule
155	Which bone provide attachment site for muscle.	A. compact bone B. spongy bone C. Cartilage D. soft bone
156	The fossil fuels are	A. Coal B. Oil C. Gas D. All a,b and c
157	The decline in thickness of the ozone layer is caused by increasing level of	A. Chlorofluorocarbon B. Nitrogen C. Chlorine D. Carbon dioxide
158	In addition to auxin which hormone also play important role in apical domince	A. Abcesic acid B. Gibberellins C. 2,4-D D. Cytokinins
159	The individuals who born with abnormal organs or body parts is called.	A. Malformed B. Malignant C. Malignant D. Malfunction
160	Menstrual cycle is called.	A. Menopause B. emotinal stress C. Menstruation D. Malnourishment effect of cycle.
161	Interphase can further be divided into	A. G <sub>1</sub> -phase, S-phase and G <sub>2</sub> -phase B. G <sub>1</sub> -phase, G <sub>2</sub> -phase and G <sub>3</sub> -phase C. S <sub>1</sub> -phase, S <sub>2</sub> -phase and S <sub>3</sub> -phase D. S <sub>1</sub> -phase, G-phase and S <sub>2</sub> -phase
162	External genitalia of human male consist of a pair of testes which lie outside the body in the sac like	A. Pouch B. Marsupium C. Scrotum D. Bag
163	Which of the following is common in all neurons?	A. A cell body which contains a nucleus B. A thick myelin sheath C. Presence of nodes of Ranvier D. Presence of Schwann cells
164	The compound which take part in urea cycle is	A. Adenine B. Guanine C. Citruline D. Thymine
165	Dialyses means	A. Removing the blood B. Cleaning the blood C. Diluting the blood D. Storing the blood
166	Rickets is due to deficiency of vitamin.	A. A B. C C. D D. E
167	The genetic code for glycine is.	A. UAG B. GAU C. GUA D. GGU
168	Cardiac muscles are muscles of the	A. Liver B. Stomach C. Kidney D. Heart
169	Ozone molecule is made up by binding of three atoms of.	A. Nitrogen B. Hydrogen C. Oxygen D. Carbon
170		A. Upward stroke B. Downward stroke

170	The supracoracoid muscles provide power for the	C. Recovery Stroke D. Neutral stroke
171	Which of the following is not Synthesized in liver	A. Urea B. Urine C. Uric acid D. Albumin
172	Armadillos, the armored mammals live only in	A. Africa B. America C. Europe D. Asia
173	DNA Finger prints can be separated from.	A. Plasma B. Lymph C. Blood D. Serum
174	The best way to increase food production from ecosystem view point is:	A. To increase cultivable land by clearing forest B. Use of excessive fertilizers C. Use of high quality pesticides D. Use of genetically improved varieties of seeds
175	Biorhythms are called circadian which means about one day so they are also called	A. Diurnal pace B. Diurnal cadence C. Diurnal rhythms D. Diurnal tempo
176	A chemical that kills weed plants is called.	A. Pesticide B. Insecticide C. fungicide D. Herbicide
177	The first convoluted part of vas deferens is called.	A. Epididymis B. Penis C. Sperm D. Scrotum
178	Meiosis II is just like the	A. Amitosis B. Mitosis C. Replacement D. Regenerations
179	Interphase period can be divided into.	A. G1, G2, G3 B. G1, G2, F1 C. G1, S, G2 D. S1, G1, S2
180	Each bivalent consists of four.	A. Chromosomes B. Chromatids C. spores D. Chiasmata
181	The position of gene on chromosome is called. its.	A. Allele B. Phenotype C. Locus D. Genotype
182	Higher form of learning is the	A. Conditioned reflex type I B. insight learning C. Imprinting D. Latent learning
183	Sunken stomata are found in which of the following group of plants.	A. Hydrophytes B. xerophytes C. Bryophytes D. Mesophytes
184	Arthritis covers over 100 different types of inflammatory or degenerative diseases that damage the	A. Legs B. Arms C. Sutures D. Joints
185	Which trait is transmitted directly from an affected father to only his sons.	A. X - linked B. Y - Linked C. x and y linked D. Autosomal
186	About 95% of our daily energy requirement are fulfilled by.	A. Nuclear Energy B. Hydroelectric power C. Geothermal energy D. Fossil fuels
187	Bats and humming birds are called.	A. Ectotherms B. endotherms C. Heterotherms

		D. Mesotherms
188	Secondary growth leads to an increase in the diameter if the.	A. Leaf B. Root C. Stem D. Stem and root
189	Fresh water flatworms excrete very dilute	A. Plasma B. Tissue fluid C. Fluid D. Urine
190	In incubating eggs artificially the incubators are usually regulated at temperature between	A. 20 - 22 <sup>o</sup> C B. 27 - 29 <sup>o</sup> C C. 30 - 32 <sup>o</sup> C D. 36 - 38 <sup>o</sup> C
191	Mutualism is a type of.	A. Symbiosis B. Parasitism C. Predation D. Commensalism
192	In tomato and pappars, parthenocarpy is artificially induced by adding.	A. Auxins B. Cytokinins C. Absciscic Acid D. Ethene
193	Lutinizing hormone induces.	A. Menstruation B. Menopause C. Ovulation D. Oogenesis
194	In sickle cell anemia code for glutamic acid is replaced by.	A. Leucine B. Valine C. Proline D. Histidine
195	In human beings, the homeostatic thermostat is present in a part of the brain called as.	A. Thalamus B. Hypothalamus C. Hipocampus D. Amygdala
196	In man the vestigial organs are	A. Ear muscles B. Nictitating membrane C. Coccyx D. All a,b and c
197	Hereditary characteristics pass from parents to offspring through genes in their	A. Nuclei B. DNA C. Gametes D. Body
198	For maximum growth the optimum temperature is 25 - 30°C and it least at	A. 1 - 3 <sup>o</sup> C B. 5 - 10 <sup>o</sup> C C. 4 - 8 <sup>o</sup> C D. 6 - 12 <sup>o</sup> C
199	Pathway of passage of impulse during reflex action is called.	A. Reflex B. Reflex arc C. Stimulus D. Membrane potential
200	This type of wood is most resistant to decay and insect attack.	A. Heart wood B. Sap wood C. Cork D. Bark
201	V-shaped chromosomes are called.	A. Acrocentric B. Metacentric C. Telocentric D. submetacentric
202	An increase in plant girth due to activity of cascara cambium is called.	A. Primary growth B. Secondary growth C. Heart wood D. Sap wood
203	Primary growth in plants is caused by.	A. Apical meristem B. Intercalary meristem C. Lateral meristem D. Rib meristem
204	The stage of prophase that last for days, week or even year is.	A. Leptotene B. Zygotene C. Pachytene D. Diplotene
205	Lichens are example of	A. Parasitism B. Predation

205	Lichens are example of.	C. Commensalism D. Mutualism
206	Movement of rearrangement of the cells in the embryo is called.	A. Cleavage B. Gastrulation C. Fertilization D. Organogenesis
207	Which will occur as a result of nondescent of the testes?	A. Male sex hormones will not be circulated in the body B. Sperm will have no means of exit from the body C. Inadequate blood supply will retard the development of the testes D. Variable sperm will not be produced
208	Diffused nervous system is found in	A. Poriferans B. Platyhelminthes C. Cnidarians D. annelids
209	Book "The origin of species" was written by.	A. Linnaeus B. Darwin C. Wallace D. Lamarck
210	Adenine and guanine are called	A. Purines B. Pyrimidines C. Both a & b D. None of these
211	All of the following bones are associated with coxal bones, except.	A. Ilium B. Ischium C. Pubis D. Calcicle
212	If the amount of adenine in DNA of a bacterial cell is 36% of the total nitrogenous bases, what will be the amount of guanine in the DNA of a cell in next generations:	A. 14 % B. 28 % C. 36 % D. 64 %
213	_____ attach bone to bone and are slightly elastic.	A. Ligament B. Tendon C. Cross bridges D. Z- line
214	The stage in which Lichens are just like crumpled leaves attached to one point.	A. Moss stage B. Crustose Lichen stage C. Foliage Lichen stage D. Shrub stage
215	In 1944 Oswald Avery along with Colin Macleod and Maclyn McCarty repeated experiments of	A. Lamarck B. Griffith C. Darwin D. Spemann
216	Some dominant trees of temperate deciduous forests are	A. Taxus baccata B. Pinus wallichiana C. Berberis lyceum D. Both a,b and c
217	Within the ovary, progesterone is produced by the:	A. Corpus albicans B. Corpus Luteum C. Tertiary follicles D. Primary follicles
218	Cancer occurs due to error in	A. Binary fission B. Budding C. Mitosis D. Meiosis
219	RNA polymerase II synthesizes.	A. mRNA B. tRNA C. rRNA D. cDNA
220	All the food chains begin with.	A. Producers B. Primary consumers C. Secondary consumers D. Decomposers
221	The total energy of the sun, trapped by the producer in an ecosystem is about.	A. 20% B. 01% C. 10% D. 30%
222	Liver also has numerous crucial functions of	A. Osmoregulation B. Homeostasis

222	Liver also has numerous crucial functions of.	C. Thermoregulation D. Excretion
223	Why is there no glucose present in the filtrate in the distal tubule of a nephron?	A. Its molecules are too large to pass across the basement membrane B. It is removed by osmosis from the tubule C. It is positively absorbed by the cells lining the descending loop of Henle D. It is actively absorbed by the proximal tubule cells
224	The chief nitrogenous waste in birds and reptiles is	A. NH <sub>3</sub> B. Urea C. Uric Acid D. Creatinine
225	A plant has a growth pattern called	A. Open growth B. Closed growth C. Round growth
226	Hypophosphatemia rickets is an X-linked.	A. Dominant trait B. Over dominant trait C. co dominant trait D. Recessive trait
227	The receptor cells of Planaria are sensitive to.	A. Light and pressure B. Light pressure and touch C. Touch, pressure and chemicals D. Light, pressure, touch and chemicals
228	The base pairs in human genome are.	A. Two billion B. Three billion C. Four billion D. Five billion
229	The remoras benefit from this relationship the shark is not affected at all	A. Symbiosis B. Mycorrhiza C. Commensalism D. Mutualism
230	In prokaryote within promoter there are two binding sites TTGACA also called -35 sequence and TATAAT also called	A. -10 sequence B. -20 sequence C. -30 sequence D. -35 sequence
231	Soil erosion, fire and water percolation down through the soil cause loss of.	A. Sulphates B. Carbonates C. Phosphates D. Nitrates
232	The increase of level of strongmen stimulation secretion of.	A. LH B. LTH C. TSH D. ACTH
233	The function of the tubules in muscle contraction is to:	A. Make and store glycogen B. Release Ca <sup>+2</sup> into the cell interior and then pick it up again C. Make the action potential deep into the muscle cells. D. To hamper the nerve impulse
234	Monqolism is the other name of.	A. Mongolism B. Kline felter syndrome C. Down's syndrome D. Turner's syndrome
235	Littoral invertebrate animals include	A. Small crustaceans B. Insect larvae C. Snail flatworms D. All a,b,and c
236	The protection of internal environment from the harms of fluctuation in external environment is termed as.	A. Osmoregulation B. Excretion C. Thermoregulation D. Homeostasis
237	The Macacaulatta is biological name for	A. Black bear B. Cat C. Rhesus monkey D. Deer
238	Example of day Neutral plant is.	A. Tomato B. Xanthium C. Soybean D. Chrysanthemum

		D. Chrysanthemum
239	The means by which recombinant DNA is introduced into a host cell is called	A. Plasmid B. Carrier C. Vector D. Lifter
240	The word tropic is derived from greek word 'tropos' meaning.	A. Sticky B. Turn C. Attractive D. Growth
241	The rate of heat production is increased by increasing muscle contraction by movement is called.	A. Thermoregulation B. Shivering thermogenesis C. Non shivering D. Thermostat thermogenesis
242	In human mid brain is	A. Reduced B. Enlarged C. Swollen D. Broken
243	Urine leaves the kidney through duct called.	A. Urethra B. Pelvis C. Ureter D. Nephron
244	In amoeba movement takes place by means of	A. Cilium B. Flagellum C. Pseudopodium D. Myonemes
245	The existing species are the modified descendants of pre-existing ones according to:	A. Theory of special creation B. Theory of organic evolution C. Uniformitarianism D. Theory of catastrophe
246	The excretory product which requires minimum water for its removal.	A. Urea B. Uric acid C. Creatinine D. Ammonia
247	An ordered sequence of irreversible steps with each step setting up the necessary conditions for the next step is	A. Embryology B. Growth C. Development D. None of these
248	Which one is parthenogenic fruit.	A. Apple B. Pine apple C. Peach D. Mango
249	Ovulation is induced by	A. FSH B. LH C. Progesterone D. Estrogen
250	Luteinizing hormone induces	A. Flowering B. Ovulation C. Vernalisation D. Menopause
251	In chordates the healing of fracture and repair of a skin wound are some other examples of	A. Reformation B. Regeneration C. Rejuvenation D. Renaissance
252	Alfred wallace developed a theory of natural selection essentially.	A. Linnaeus's B. Darwin's C. Mendel's D. Lamarck's
253	Liver acts as store house of.	A. Bile B. Albumin C. R.B.Cs D. Iron
254	Which is a long day plant	A. soybean B. Henbane C. Tomato D. Cucumber
255	Fruit ripening is due to the production of.	A. Auxins B. Cytokinin C. Gibberellin D. Ethane
256	One of the following is an example of predator prey relationship	A. fungus and algae B. Fox and Rabbit C. Flower and Insect

		C. Flower and insect D. Root nodule bacteria
257	Study of different communities with relation to environment is called.	A. Synecology B. Embryology C. Autecology D. Zoology
258	The animals which are capable of varying degrees of endothermic heat production but generally do not regulate their body temperature within a narrow range	A. Ectotherms B. Endotherms C. Heterotherms D. Homotherms
259	A fluid is secreted to provide liquid medium, protection and nourishment.	A. Corpus luteum B. Follicle C. Uterus D. Sertoli
260	If lobster loses its pincer claw a new claw	A. Regenerates B. Never develops C. Is ready D. None of these
261	The number of nucleotides in the DNA of a typical human chromosome is about	A. 10 Million B. 40 million C. 80 million D. 140 million
262	An essay on the principle of population was published by	A. Darwin B. Wallace C. Malthus D. Linnaeus
263	Genes are located at specific loci on	A. Chromatids B. Chromosomes C. Centromeres D. Homologues
264	Each A band has a lighter stripe in its mid section called.	A. A zone B. H zone C. M - Line D. Z - Line
265	Secretin is a hormone produced by	A. Liver B. Gut C. Adrenals D. Pancreas
266	Bowed legs and deformed pelvis are the symptoms of which disease in children.	A. Rickets B. Disc slip C. Sciatica D. Haematoma
267	A chromosome with equal length of its arms.	A. Acrocentric B. Metacentric C. sub meta centric D. Telocentric
268	The plantigrade animals used to walk on their	A. Digits B. Tips of toes C. soles D. Belly
269	The collenchymatous cells are highly lignified and found in the.	A. Hydrotropism B. Thigmotropism C. Geotropism D. Phototropism
270	The animal that is caught and eaten is called.	A. Prey B. Parasite C. Predator D. Host
271	MN blood group is example of	A. Complete dominance B. Co- dominance C. Over dominance D. Incomplete dominance
272	Nissl's granules are group of.	A. Mesosomes B. Lysosomes C. Ribosomes D. chromosomes
273	The study of human populations and things that affect them is called:	A. Angiography B. Demography C. Mammography D. Homography

A. Prominal tubule

274	Glomerular filtrate are reabsorbed in.	B. Loop of Henle C. Distal tubule D. Bowman's capsule
275	CFCs are produced by	A. Moving carts B. Industrial machines C. air conditioners D. <sub>Aero planes and refrigerators</sub>
276	Type of asexual reproduction.	A. Fertilization B. Vernalization C. Photoperiodism D. Apomixes
277	The joints that allows movement in several directions is called.	A. Fibrous joint B. synovial joint C. Ball and socket joint D. Hing joint
278	Symbiotic association of algae living within fungus mycelium is known as.	A. Mycorrhiza B. Lichen C. Parasitism D. Root Nodules
279	Air in motion is called.	A. Atmosphere B. Wind C. Gas D. Weather
280	Northern coniferous forest are called.	A. Alpine B. Boreal C. Taiga D. Prairies
281	In nature P 730 to P 660 conversion occurs in the	A. Day B. Dark C. Evening D. Dawn
282	The phase of meiosis during which nuclei disappear in the cell is called.	A. Pachytene B. Leptotene C. Zygotene D. Diplotene
283	In humans ,MSH(melanocyte-stimulating hormone) _____	A. Regulates primary skin color B. Causes the thyroid to produce thyroxine C. Governs the rate of tanning D. Concentration is very low.
284	Which disease is due to Mental illness	A. Scurvy B. Goiter C. Alzheimer D. Beriberi
285	Antidiuretic hormone is also called	A. Oxytocin B. ACTH C. Vasopressin D. Both a & b
286	Number of ammonia molecules required to produce one molecule of urea is.	A. 1 B. 2 C. 3 D. 4
287	Uric acid is produced from metabolism of.	A. Nucleic acid B. Fatty acid C. Carbohydrates D. Lipids
288	Hardy Weinberg's theorem describes the frequencies of genotype of non evolving.	A. Family B. Population C. Species D. Community
289	Every gene starts with initiation codon AUG which encodes for the amino acid.	A. Lysine B. Serine C. Proline D. Methionine
290	Effective drug available for Parkinson's disease is.	A. Nicotine B. GDNF C. AZT D. L-dopa
291	Osteoblast and osteoclasts continue to migrate inward multiply rapidly and gradually convert the soft callus into	A. Hard callus B. Stony callus C. Bony callus D. Fibrous callus

		D. Jolly callus
292	Bold group B phenotype contains anti-A antibodies in the serum and agglutinates any RBC with antigen:	A. AB B. O C. A D. B
293	Origin site of replication is one in	A. Prokaryotes B. Eukaryotes C. None of these D. Both a & b
294	Chromosomal theory of inheritance was first formulated by.	A. Karl Correns B. T.H.Morgan C. W. Sutton D. Carvin Bridges
295	In living thing, the behavior activities occurs at regular intervals which are called.	A. diurnal rhythms B. Biorhythms C. Circannual D. Circadian
296	Hemophilia is	A. X linked dominant trait B. X linked recessive trait C. Sex influenced trait D. Sex limited trait
297	EEG is the most important test for the study of.	A. Epilepsy B. Alzheimer's disease C. Parkinson's disease D. Arthritis
298	Which one is absent in animal cells.	A. spindle B. Centriole C. Chromatids D. Phragmoplast
299	The joint that allows the movement in two directions is called.	A. Cartilaginous joints B. Hinge joints C. Synovial joints D. Ball and Socket joints
300	All the 64 codons were tested by	A. Marshall Nirenberg B. Philip Leder C. Har Gobind Khorana D. All a,b,and,c
301	In 1917, term Niche was first proposed by American ornithologist named.	A. Charles Elton B. Joseph Grinnell C. Lamarck D. Ernst Haeckel
302	Oestrus cycle, a reproductive cycle is found in as females except.	A. Cat B. Cow C. Human being D. Lion
303	Syphilis is caused by a spirochete named as.	A. Nisseria gonorrhea B. Treponema pallidum C. Escherichia coli D. Mycobacterium
304	Which one is not a mesophyte.	A. Brassica B. Mango C. Rose D. Cacti
305	The electrical potential of cell membrane of neuron when it is not transmitting any signal is called _____	A. Resting membrane potential B. Action potential C. Propagation of impulse D. Synapse
306	In thoracic region, number of vertebrae is.	A. 12 B. 15 C. 4 D. 5
307	Nerve cells and eye lens cells remain in stage for life time.	A. G0 B. G1 C. S D. G2
308	The zone, rich in life, in a fresh water lake is called.	A. Littoral zone B. Profundal zone C. Limnetic zone D. Deseret
309	Locus is	A. Part of DNA B. Position of gene C. Position of chromosome D. Position of cell

		C. Partner of a gene D. Complement of gene
310	The vertebral column of human consists of vertebrae.	A. 31 B. 32 C. 33 D. 34
311	The cerebrospinal fluid is similar in composition to	A. Blood B. Blood plasma C. Blood serum D. Blood proteins
312	Taqpolymerase are enzyme present in.	A. Fungi B. Bacteria C. Algae D. Virus
313	In the chick the mesodermal cells migrate and caudally from both sides and create a mid line thickening called	A. Primitive streak B. Excretion C. Ultra-streak D. Blastoderm
314	Clear cytoplasm, in an ascidian zygote produces.	A. Muscle B. Gut C. Notochord and neural tube D. Larval epidermis
315	Mendellian factors were renamed as 'genes' by	A. Mendel B. Correns C. Morgan D. Johannsen
316	The no of chromosome in mouse is	A. 6 B. 32 C. 26 D. 40
317	The random loss of alleles in a population is called:	A. Mutation B. Selection C. Gene flow D. Genetic drift
318	A network of very fine threads called chromatin can be visualized in call during	A. Interphase B. Prophase C. Metaphase D. Anaphase
319	The increase of environmental temperature due to high amount of CO <sub>2</sub> is known as.	A. Global warming B. Acid rains C. Ozone depletion D. Stone cancer
320	Which of the following hormones is not released by the anterior pituitary?	A. Melanocyte - releasing hormone B. Gonadotropin-releasing hormone C. Thyroid- stimulating hormone D. Growth hormone
321	Mendel called the offspring of first parents as	A. F <sub>1</sub> B. First filial generation C. Both a & b D. First generation
322	If a man of M blood group marries a woman of N blood group all their children will have blood group	A. MM B. NN C. MN D. None of these
323	The structure which respond are called.	A. Effectors B. Nerves C. Receptors D. Sense organs
324	Which one of the following acts as a stop codon?	A. UGG B. UGC C. UAG D. UGU
325	When the human blood leaves the capillary bed of the tissue, most of the carbon dioxide is in the form of:	A. Carbonic acid B. Bicarbonate ions C. Carboxylic acids D. None of them
326	The membrane that bounds vacuole is called.	A. Tonoplast B. Leucoplast C. Chromoplast D. Chloroplast

A. After 2 months

327	When will call embryo a fetus.	B. After 3 moths C. After 5 moths D. After 4 months
328	Fresh water ecosystem covers less than.	A. 1% B. 3% C. 5% D. 7%
329	In the eighteenth century organisms were classified by	A. Charles Darwin B. Alfred Wallace C. Carolus Linnaeus D. J.B Lamarck
330	The total gestation period in human female is usually about.	A. 280 days B. 280 week C. 28 months D. 360 days
331	The condition in which biennial and perennial plants are stimulated to flower by exopod to low temperature is called.	A. Photoperiodicism B. Vernalization C. Apomixis D. Partheiogenesis
332	Clearance of vast areas of forest for lumber planting subsistence crops or grazing cattle is called as	A. Deforestation B. A-forestation C. Forestation D. Both a & b
333	The spread of tumor cells and establishment of secondary area of growth is known as.	A. Necrosis B. Apoptosis C. Metastasis D. Epigenesis
334	Rodents respond to alarm call by other in their group is an example of behaviour termed as	A. Imprinting B. Habitation C. Insight learning D. Latent learning
335	Evolution of pollen tube is parallel to the evolution of	A. Stem B. Leaves C. Flower D. Seed
336	A plant has a growth pattern called.	A. Open growth B. Meristem C. Growing point D. Apical
337	During which stage chromosomes are doubling	A. G2 Phase B. G1 phase C. S-Phase D. G0 Phase
338	The shell, over chick egg is secreted as it passes through.	A. Ovary B. Oviduct C. Uterus D. Cloaca
339	Moderate grazing is very helpful to maintain ecosystem.	A. Tundra B. Grass land C. Pond D. Desert
340	A full set of genes of an individual is called.	A. Genome B. Genotype C. Karyotype D. Dominance
341	The homeostatic thermostat is present in.	A. Pituitary B. Hypothalamus C. Kidney D. Pancreas
342	Contractile vacuoles are found in.	A. Plants B. Fresh water protozoa C. Marine plants D. Pino cytosis
343	The first restriction enzyme was isolated by	A. Kary mulis B. Hamilton O. smith C. Sagar D. Maxam gilbret
344	How many types of finches did Darwin collect on Galapagos Island.	A. 13 types B. 20 types C. 25 types D. 30 types

345	Gastrin is the hormone produced by mucosa of	A. Oesophagus B. Small intestine C. Stomach D. Large intestine
346	The tumours which are of small size and localized are	A. Benign B. Malignant C. Gentle D. Nasty
347	Similarity in characteristics resulting from common ancestry is known as:	A. Analogy B. Homology C. Evolutionary relationship D. Phylogeny
348	Study of aging is called	A. Teratology B. Gerontology C. Cell biology D. Paleontology
349	At the distal end the femur forms knee joint with the proximal end of two parallel bones called	A. Tibia and fibula B. Radius & ulna C. Carpals & metacarpals D. Tarsal & metatarsal
350	Germination of some seeds e.g. some lettuce varieties, is promoted by.	A. Green light B. Blue light C. Red light D. Violet light
351	If the two generations are vegetatively similar such alternation of generation is referred to as	A. Homomorphic B. Isomorphic C. Heteromorphic D. Eumorphic
352	Bipedal locomotion freed the front appendages which become adapted for	A. Prey capture B. Flight C. Both a & b D. None of these
353	The category of plants that has adaptation of small and thick leaves to limit water loss is called.	A. Hydrophytes B. Xerophytes C. Agrophytes D. Mesophytes
354	Homologous structures represent.	A. Convergent evolution B. Analogy C. divergent evolution D. Functional similarity
355	The children with "SCID" lack an enzyme.	A. a galactosidase B. Phenylalanine hydroxylase C. Adenosine deaminase D. Succinic dehydrogenase
356	Which of the following is the most fragile ecosystem.	A. Grass land B. Wood land C. Tundra D. Savanna
357	Alzheimer's disease is	A. Physical illness B. Mental illness C. Ronal illness D. Pulmonary illness
358	Opening of flower bud floows.	A. Photonasty B. epinasty C. Haptonasty D. Hyponasty
359	In the zone of elongation, the volume of the cells increase upto.	A. 100 times B. 150 times C. 200 times D. 250 times
360	Water present water and ice cup is.	A. 01% B. 02% C. 03% D. 04%
361	Alzheimer's disease is characterized by the decline in the function of.	A. Brain B. Kidney C. Liver D. Stomach
362	Which one is not a bone of axial skeleton	A. Ribs B. Sternum

362	Which one is not a bone of axial skeleton.	C. Pelvic D. Cranium
363	Hypoblast is mainly presumptive	A. Endoderm B. Mesoderm C. Ectoderm D. Blastoderm
364	DNA Polymerase enzyme was isolated from.	A. Viruses B. Bacteria C. Protozoa D. Fungi
365	Desert ecosystem of Bhakkar and Mian wali is called.	A. Thal B. Thar C. Cholistan D. Rohi
366	Frogs and toads also walk and hop on land due to strong	A. Forelimbs B. Hindlimbs C. Trunk D. Head
367	The Limbic system is located between thalamus and	A. Hypothalamus B. Cerebrum C. Pons D. Cerebellum
368	The release of ovum from the ovary is called.	A. Ovulation B. Menstruation C. follicle atresia D. Menace
369	Antibody used for the treatment of genital herpes is obtained from	A. Corn B. Soya bean C. Rice D. Wheat
370	Pairing of homologous chromosomes for tetrad formation starts at.	A. Leptotene B. Zygotene C. Diplotene D. Pachytene
371	Buoyancy in the water is maintained by a specialized structure in bony fish called	A. Fins B. Swim bladder C. Tail D. Both a & c
372	The number of linkage group in man is:	A. 02 B. 23 C. 46 D. 92
373	Coniferous forest located at high latitude are called.	A. Alpine B. Boreal C. Targa D. Prairies
374	The incidence of calcium oxalate type stones are.	A. 40% B. 50% C. 60% D. 70%
375	Annual rain fall in deserts is less than	A. 25 to 50 cm B. 10 to 22 cm C. 15 - 25 cm D. 20 to 40 cm
376	From beginning of the 3 <sup>rd</sup> month of pregnancy the human embryo is referred to as the	A. Foetus B. Kid C. Kitten D. Cub
377	A plant is adapted to remove the flooding of its cells in fresh water.	A. Mesophyte B. Cactus C. Hydrophyte D. Xerophyte
378	The hormones which promote boating of some roseate plants is known	A. Auxins B. Gibberellins C. Ethene D. Cytokinin
379	The armored mammal that lives only in America is the.	A. Armadillo B. Echidna C. Pengun D. Pelvis and leg bones
		A. Charls darwin

380	The parts of body use extensively to cope with the environment become larger & stronger, while those that are not used deteriorate was argued by:	A. Charles Darwin B. Alfred wallace C. Carolus D. Lamorck
381	The process of moulting is controlled by the nervous system and a hormone called.	A. Aldosterone B. Ecdysone C. Oxytocin D. Androgen
382	A natural process in which surface soil is removed by the action of water or wind is	A. Corrosion B. Attrition C. Erosion D. Weathering
383	Pentose sugar in the molecule of DNA is	A. Ribose B. Deoxyribose C. Sucrose D. Lactose
384	Cell cycle involves.	A. Growth of cell B. Replication of DNA C. Cell division D. None of these
385	Active membrane potential is	A. 0.05 volts B. - 50 mv C. Both a & b D. 0.07 volts
386	The organisms used a biofilters is.	A. Transgenic plant B. Transgenic bacteria C. Transgenic animal D. Transgenic virus
387	The most threatened areas on the earth have been reduced to 44% of their original extent are	A. Tropical rain forests B. Temperate rain forests C. Carbiniferous forests D. Deciduous rain forests
388	In ocean of tropical regions, the temperature of surface water is about.	A. 5 <sup>o</sup> C B. 10 <sup>o</sup> C C. 20 <sup>o</sup> C D. 25 <sup>o</sup> C
389	Which plants have the adaptation to remove the flooding of its cells in fresh water	A. Xerophytes B. Mesophytes C. Hydrophytes D. Chondrocytes
390	Water used for industrial purposes is about	A. 9% B. 90% C. 70% D. 50%
391	The pigment free area that appears at the time of fertilization is called.	A. embryo B. Gray crescent C. Yolk D. White cytoplasm
392	Different alleles of a gene that are both expressed in heterozygous condition are called.	A. codominant B. Over dominant C. Complete dominant D. Incomplete dominant
393	What would be expected to happen if all the nitrogen-fixing organisms ceased to exist?	A. There would be no significant change in number of animals B. The total number of biomass would be reduced C. All organisms would die out D. The nitrogen level of the atmosphere would be increase
394	Activation of sweat glands to produce sweat from evaporative cooling is a type of adaptation.	A. Structural B. Physiological C. Behavioural D. None of these
395	PCR takes its name from _____ the enzyme that carries out DNA replication in a cell.	A. DNA Polymerase B. DNA Ligase C. DNA Polymerase II D. Restriction enzymes
396	Herbaceous stage in xerosere is the	A. First stage B. Third stage C. Fourth stage D. Last stage
		A. Indian rhino B. Indus Dolphin

397	Which one of the following is endangered in Pakistan.	<del>B. Indus Dolphin</del> C. tiger D. Cheer pheasant
398	A pair of kidneys consists of millions of functional units called	A. Nephrons B. Neurons C. Dendrons D. Flatirons
399	As CFC <sub>s</sub> rise to the atmosphere ultraviolet rays release	A. Fluorine B. Chlorine C. Carbon D. Hydrogen
400	Neural plate is formed from	A. Ectoderm B. Endoderm C. Mesoderm D. Notochord
401	Osteomalacia includes a number of disorders in which bones receive inadequate	A. Water B. Oxygen C. Mineral D. Blood
402	Arginase splits the arginine to form ure and the precursor.	A. Ornithine B. Creatinine C. ammonia D. Citruline
403	Zoos and botanical gardens are to save species whose extinction is.	A. Imminent B. Permanent C. Prominent D. dominant
404	Average loss of blood during birth in human female is about .	A. 150 cm <sup>3</sup> B. 250 cm <sup>3</sup> C. 350 cm <sup>3</sup> D. 450 cm <sup>3</sup>
405	The disease caused due to destruction of adrenal cortex is.	A. Cushing B. Diabetes C. Addison D. Alzheimer
406	Luteinizing hormone induces.	A. Flowering B. Vernalization C. Ovulation D. Menopause
407	Which strand of DNA is transcribed.	A. coding strand B. Sense strand C. Antisense strand D. Conservative strand
408	Pressure filtration in kidney specifically occurs at	A. Vasa recta B. Bowman's capsule C. Urine collecting D. Loop of henle
409	For evaporative cooling bats use	A. Saliva B. Urine C. Sweat D. All a,b,andc
410	Meiosis occurs only in	A. Haploid cell B. Diploid cells C. Pentaploid cells D. Triploid cells
411	Muscle present in the gut wall are	A. Smooth B. Skeletal C. Cardiac D. Voluntry
412	Acetabularia is a	A. Epiphyte B. Alga C. fungus D. Angiosperm
413	Which hormone induces labour pain	A. LTH B. LH C. Oxytocin D. Lactogen
414	Most of the major organs of embryo are formed within the.	A. 10 week B. 12 week C. 14 week D. 15 week

415	A combination of three nucleotides of DNA that specifies an amino acid is called.	A. Cistron B. Anticodon C. Genetic code D. Exon
416	Microscopic gap between the two neurons is called as	A. Synapsis B. Collapse C. Preapse D. Axons
417	The interphase of meiosis lacks the stage.	A. G0 B. G1 C. G2 D. S
418	In seminiferous tubules repeated division of the germinal epithelium produces	A. Oogonia B. Zoogonia C. Ovogonia D. Spermatogonia
419	The hormone which inhibits root growth is.	A. auxins B. gibberellins C. Abscissic acid D. Cytokinins
420	Which of the following polymerase synthesizes tRNA.	A. RNA Polymerase -I B. RNA Polymerase -III C. RNA Polymerase -II D. DNA Polymerase
421	Which one of the following is initiation codon.	A. AUG B. GUA C. UGA D. GAC
422	Clear cytoplasm produces	A. Larval epidermis B. Muscle cells C. Gut D. Neural tube
423	On over the wound the cambium forms	A. Callus B. Wood tissues C. Both a & b D. Gall
424	The active uptake of sodium ions in the loop of Henle is provided by the action of hormone.	A. Insulin B. Adrenaline C. Aldosterone D. Oxytocin
425	Temperate deciduous forests are located in Pakistan at.	A. Chilas B. Mian wali C. Shogran D. Sindh
426	Which statement defines the net primary production in an ecosystem over a given time period?	A. The total amount of organic matter in the plants in excess of that used in respiration B. The total amount of organic matter used in respiration by all the organisms present C. The total amount of photosynthesis product from all plants D. The total amount of organic matter in all organisms present
427	The cause of Kwashiorkor disease is	A. Pathogen B. Metabolic disorder C. Nutritional deficiency D. Aging
428	Rain that falls on high areas such as mountains possesses large amount of gravitational	A. Heat energy B. Kinetic energy C. Electrical energy D. Potential energy
429	A probe is a single stranded nucleotide sequence that will hybridize in to certain piece of.	A. Amino acids B. DNA C. Carbohydrate D. RNA
430	The most important hormone in initiating and maintaining lactation after birth is:	A. Estrogen B. FSH C. Prolactin D. Oxytocin
		A. Pachytene

431	Synapsis occurs during.	B. Leptotene C. Zygotene D. Diplotene
432	The corpuscles situated quite deep in the body are in the form of encapsulated neurons ending receive deep pressure stimulus are.	A. Meissner's B. Pacinian C. Nissal's D. White blood cells
433	Diseases in living organisms caused by parasites are called.	A. Infestation B. Endoparasites C. Disinfestation D. Ectoparasites
434	The perennial plants are bushes or cacti with large shallow root systems in	A. Grassland B. Deserts C. Tundra D. Taiga
435	Digitigrade mammals tend to walk on their	A. Soles B. Digits C. Tips of toes D. None of these
436	Asexual reproduction requires only a single parental organism which gives rise to offspring by	A. Mitotic cell division B. Meiotic cell division C. Both a and b D. None of these
437	Archaeobacteria tolerate temperatures up to	A. $10^{\circ}\text{C}$ B. $40^{\circ}\text{C}$ C. $67^{\circ}\text{C}$ D. $120^{\circ}\text{C}$
438	Biogeography is the geographical distribution of.	A. Phylum B. species C. Genera D. Classes
439	Percentage of its recombination frequency.	A. 20 B. 40 C. 60 D. 80
440	Inheritance of acquired characteristics was proposed by	A. Darwin B. Mendel C. Lamarck D. Mathus
441	Adult transgenic tobacco plants glowed when sprayed with the substrate.	A. Luciferin B. Myoglobin C. Hemoglobin D. Methionine
442	The malpighian tubules remove nitrogenous wastes from the	A. Lymph B. Hind gut C. Hemolymph D. Coelomic fluid
443	Bowman capsule continues as extensively convoluted proximal tubule loop of henle and the distal tubule which empties into	A. Collecting tubules B. Malpighian tubules C. Renal tubules D. Neural tubules
444	Tobacco plant produces flowers in.	A. Spring B. Summer C. Autumn D. Winter
445	A nerve is	A. Collection of neurons B. Bundle of axons or dendrites C. Connection of dendrites D. Bundle of axon of dendrites bounded by connection
446	Among vertebrates uric acid is the chief nitrogenous waste in birds and	A. Fishes B. amphibians C. Reptiles D. Mammals
447	In aquatic ecosystem , near shore zone is called.	A. Limnetic zone B. Littoral zone C. Profundal zone D. Benthic zone
448	CNS is composed of	A. Sensory neuron B. Associative neuron C. Dendrites D. Motor neuron

		D. Motor neuron
449	Genetic code is a combination of 3 nucleotides in DNA which specify a particular	A. Amino acid B. Fatty acid C. Vitamin D. Steriod
450	Poly hydroxy butyrate is called.	A. Antithrombin III B. Nutra Sweet C. Biodegradable plastic D. Luciferin
451	The fishes which drink large amount of sea water and excrete concentrated urine are.	A. Cartilaginous fishes B. Bony fishes C. Lung fishes D. Jawless fishes
452	Apical dominance is cause by.	A. Gibberellins B. Cytokinins C. Auxins D. Ethene
453	High level of circulating calcium in the blood is called.	A. Hypercalcemia B. Osteomalacia C. Hypogycemia D. Hyperoxaluria
454	Jean Baptiste Lamarck published his theory of evolution in	A. 1757 B. 1809 C. 1859 D. 1945
455	A chromosome with unequal length of its arm is called:	A. Metacentric B. Sub metacentric C. Acrocentric D. Telocentric
456	Each tRNA has a sequence of three bases called anticodon which is complementary to codon of	A. rRNA B. tRNA C. mRNA D. snRNA
457	A weed called mouse eared cress is engineering produce a biodegradable plastic called.	A. Luciferin B. Digitoxin C. Polyhydroxy butyrate D. Pheylalanine
458	Commonly enzyme thermus aquatious is also known as	A. Taq polymerase B. DNA polymerase C. RNA polymerase D. Taq ligase
459	The parts of the body used extensively to cope with the environment become larger and stronger while those that are not used deteriorate was argued by	A. Charles Drawin B. Alfred Wallace C. Carolus Linnaeus D. J.B Lamarck
460	The animal that is caught and eaten is called.	A. Predator B. Host C. Prey D. Parasite
461	Which of the following is a non sense codon.	A. UGA B. UGG C. AUG D. AUC
462	Which neurons have long axon.	A. Sensory B. Motor C. Cell body D. Associateive
463	Which one is an example of Xerophytes.	A. Brassica B. Rose C. Cactus D. Mango
464	Modern man is called	A. Homo erectus B. Homo habilis C. Homo sapiens D. Homo neanderthalensis
465	Innate behaviour is a collection of responses that are predetermined by the	A. Heritage B. Birthright C. Inheritance D. Legacy
466	Transgenic bacteria are produced in large vats called.	A. Transducer B. Bioreactor C. Bioreactor

		C. Biomultiplier D. Culter media
467	Ecosystem present on land or soil is called.	A. Terrestrial B. Atmosphere C. Lithosphere D. Both a and c
468	Diploid parthenogenesis may occur in	A. Aphids B. Bees C. Wasp D. Honey bee
469	What will occur if a drug at the neuromuscular junction blocks the receptors sites on the post-synaptic membrane?	A. Inhibition of Acetylcholine release B. Muscle contraction C. Muscle paralysis D. Release of calcium ions
470	In grassland ecosystem annual rainfall is about 250 to	A. 350 mm B. 450 mm C. 650 mm D. 750 mm
471	The copying of mRNA from DNA is called.	A. Translation B. Transduction C. Transcription D. Transformation
472	During non conducting state the neuron membrane is permeable to efflux of.	A. Cl- B. Ca<div> </div><div> </div><div> </div><div>Ca+</div> C. Na+ D. K+
473	Which hormone is chemically steroid .	A. ADH B. Corticosterone C. Insulin D. Thyroxine
474	The period of life cycle of cell between two consecutive divisions is termed as.	A. Resting phase B. Inter phase C. G1 phase D. G2 Phase
475	The light effective in preventing flowering in cocklebur is.	A. Blue light B. Red light C. Yellow light D. Orang light
476	Which one is not a vestigial organ of human being.	A. Appendix B. coccyx C. eye lid D. Nictitating membranes
477	G <sub>1</sub> is time between the end of mitosis and initiation of DNA synthesis also called as	A. Pre-DNA synthesis phase B. DNA synthesis phase C. Post-DNA synthesis phase D. None of these
478	Eco. R is a commonly used	A. Gene B. Restriction enzyme C. Bacteria D. Bacteriophage
479	Ozone in the upper layer of atmosphere that filters.	A. IR radiation B. UV radiation C. Alpha radiation D. Beta radiation
480	Two parents, each of blood groups A, have a daughter of blood group O. what is the probability that their next child who has blood gorup O?	A. 0.125 B. 0.25 C. 0.50 D. 0.75
481	A clear picture of the genetic basis of sex determination emerged after the discovery of	A. Autosomes B. X chromosomes C. Sex&nbsp;  chromosomes D. Y&nbsp;  chromosomes
482	According to endosymbiont hypothesis, the aerobic bacteria developed into.	A. Ribosome B. Lysosome C. Mitochondria D. Golgi apparatus
483	Hypophosphatemic rickets is an _____ trait.	A. X - Linked B. Y -Linked C. X- and Y linked D. An autosomal

484	Which of the following statements concerning the role of $\text{Ca}^{+2}$ in the contraction of skeletal muscle is correct?	<p>A. The mitochondria act as a store of <math>\text{Ca}^{+2}</math> for the contractile process</p> <p>B. <math>\text{Ca}^{+2}</math> entry across the plasma membrane is important in sustaining the contraction of skeletal muscle</p> <p>C. A rise in inter cellular <math>\text{Ca}^{+2}</math> allows actin to interact with myosin</p> <p>D. The tension of a skeletal muscle fiber is partly regulated by G proteins muscle</p>
485	In turner syndrome the affected person have set of chromosomes.	<p>A. XO</p> <p>B. XXY</p> <p>C. XYY</p> <p>D. XXO</p>
486	Three sets of microtubules (fibres) originate from each pair of	<p>A. Glyoxisomes</p> <p>B. lysosomes</p> <p>C. Peroxisomes</p> <p>D. Centrioles</p>
487	In the double helix of DNA adenine forms two hydrogen bonds with	<p>A. Thymine</p> <p>B. Guanine</p> <p>C. Cytosine</p> <p>D. Uracil</p>
488	The leptotene and zygotene lasts for.	<p>A. Few hours</p> <p>B. Few days</p> <p>C. Few weeks</p> <p>D. Few years</p>
489	In 1901, ABO group system was discovered by.	<p>A. Punnett</p> <p>B. Karl Landsteiner</p> <p>C. Wiener</p> <p>D. Bern Stein</p>
490	Human cells have 46 chromosomes consisting of	<p>A. 20 pairs</p> <p>B. 21 pairs</p> <p>C. 22 pairs</p> <p>D. 23 pairs</p>
491	The diameter of the skeletal muscle fibres is.	<p>A. 10-80 micro meter</p> <p>B. 10-100 micro meter</p> <p>C. 10-120 micro meter</p> <p>D. 10-135 micro meter</p>
492	Which one of the following is an endotherm	<p>A. Humming Bird</p> <p>B. Birds</p> <p>C. Bat</p> <p>D. Reptiles</p>
493	The polymerase chain reaction was developed in 1983 by	<p>A. Kary B. Mullis</p> <p>B. Gottlieb Haberlandt</p> <p>C. Theodore M. Klein</p> <p>D. Craig venter</p>
494	The mammalian forebrain is differentiated into the thalamus, limbic system and the:	<p>A. Cerebellum</p> <p>B. Cerebrum</p> <p>C. Hippocampus</p> <p>D. Hypothalamus</p>
495	Towards the end of pregnancy, the reduction in progesterone level, stimulates pituitary gland to produce.	<p>A. Oxytocin</p> <p>B. Oestrogen</p> <p>C. Androgen</p> <p>D. Pro lactin</p>
496	Which animal moves by Jet propulsion	<p>A. Earth worm</p> <p>B. Star fish</p> <p>C. Jelly fish</p> <p>D. Snail</p>
497	In succession lithoseres takes place on:	<p>A. Sand</p> <p>B. Water</p> <p>C. Forest floor</p> <p>D. Bare rocks</p>
498	ABO system has four different phenotypes which are distinct from each other on the basis of specific antigens on the surface of	<p>A. Mitochondria</p> <p>B. Golgi bodies</p> <p>C. RBC</p> <p>D. Centrioles</p>
499	Hemophilia is.	<p>A. Affects both sexes equally</p> <p>B. Affects men more than women</p> <p>C. Affects women more than men</p> <p>D. Is non allelic recessive sex linked</p>

500	Lyell published the principle of.	A. Population B. Community C. Geology D. Blome
501	Chances for a son or daughter in human birth are:	A. 3:1 between son and daughter B. 1:3 between son and daughter C. 1:1 between son and daughter D. None of them
502	Crossing over occurs during.	A. Leptotene B. Pachytene C. Zygotene D. Anaphase
503	Acute forms of arthritis usually result from	A. Bacterial invasion B. Viral inversion C. fungal invasion D. Severe injury
504	Chiasmata formation take place duirng.	A. Leptotene B. diakinesis C. Diplotene D. Pachytene
505	Chromosomal part which uncoils, during inter phase is called.	A. Chromatids B. Satellite DNA C. Euchromatin D. Heterochromatin
506	In 1999,transgenic crops were planted world wide on more than	A. 20 millions areas B. 35&nbsp;millions areas C. 70&nbsp;millions areas D. 90&nbsp;millions areas
507	Sciatica is characterized by stabbing pain radiating over the course of.	A. Sciatic artery B. Sciatic nerve C. Sciatic capillary D. Sciatic vein
508	Water is stored for use during the period of drought in fleshy stems of	A. Cacti B. Euphoribia C. Both a & b D. None of these
509	Union of gametes is called.	A. Fertilization B. Spermatogenesis C. oogenesis D. Gametogenesis
510	The number of human spinal nerves is:	A. 24 B. 50 C. 62 D. 64
511	Immediately after fertilization, the egg undergoes a series	A. Morulla B. Gastrulation C. Cleavage D. Blastula
512	The concentrations of cell bodies of neuron are	A. Ganglia B. Dendrites C. Axons D. Nodules
513	Fertilization of the ovum normal occurs:	A. In the upper thrird of the oviduct B. In the lower thrird of the oviduct C. In the uterus D. Can take place successfully in vagina
514	The gene that triggers developmental process towards maleness is.	A. TFM B. MODY C. SRY D. BOB
515	The number of spinal nerve in man is.	A. 12 B. 30 C. 31 D. 24
516	If all members of a population are homozygous for the same allele that allele is said to be	A. Multiple allele B. Jumping gene C. Fixed in the gene D. Perfect gene

517	Phragmoplast is formed by vesicles originated from.	B. Golgi complex C. Mitochondria D. Chloroplast
518	The synovial joint is surround by a layer of connective tissue called.	A. Fibrous joints B. Annulus joints C. Hyaline joint D. Hematoma
519	Blue cone monochromacy is also called	A. Red - green colour blindness B. Red&nbsp;- blue&nbsp;colour blindness C. Green&nbsp;- blue&nbsp;colour blindness D. Yellow - blue&nbsp;colour blindness
520	Here, light is insufficient to support photosynthesis.	A. Littoral zone B. Profundal zone C. Limetic zone D. Photoplankton zone
521	At the time of independence in 1947 the population of pakistan was	A. 10 m B. 20 m C. 25.7 m D. 32.5 m
522	Germinating pollen grain is a rich source of	A. Gibberellins B. Auxins C. Cytokinin D. Ethene
523	The stabbing pain in leg is	A. Arthritis B. Herniation C. Sciatica D. Spondylosis
524	Young tissues retaining the potential to divide.	A. Meristem B. Xylem C. Phloem D. Cork
525	The form of learning which involve a diminish of response to repeated stimuli	A. Imprinting B. Habituation C. Insight learning D. Large learning
526	PCR takes its name from	A. RNA polymerase B. DNA polymerase C. DNA ligase D. Endonuclease
527	A central role for chromosomes in heredity was first suggested in 1900 by.	A. Karl correns B. W. Sutton C. F. Griffiths D. T.H.Morgan
528	Perhaps the most fragile of all the biomes, because of its short growing season is.	A. Tundra B. Desert C. Grass land D. Temperate deciduous forest
529	In human pair of cranial nerves are	A. 12 B. 14 C. 16 D. 18
530	Turgor pressure is generated by high osmotic pressure is plants cell	A. Cytoplasm B. Vacuole C. Chloroplast D. Mitochondria
531	The abiotic component of an ecosystem is.	A. Temperature B. Producer C. Consumer D. Decomposer
532	A probe is a single stranded nucleotide sequence that will hybridize (pair) into a certain piece of	A. DNA B. RNA C. Amino acid D. Fatty acid
533	Saliva and urine are used for evaporative cooling by	A. Bat B. Dogs C. Birds D. Seals
534	Water pollution is caused by	A. Soil pollution B. Water pollution

534	Stone cancer is result of.	C. Stone pollution D. Air pollution
535	The leaves with very small surface area, are found in.	A. Hydrophytes B. Xerophytes C. Sciophytes D. Mesophytes
536	The first restriction enzyme was isolated by.	A. Kary mulis B. Hamilton O smith C. Maxam Gilbert D. Sanger
537	The enzyme luciferase is produced by an insert commonly known as the.	A. House fly B. Butter fly C. Caddis fly D. Fire fly
538	All are related to Turner's syndrome except.	A. Short stature B. Webbed Neck C. Broad face D. Without Ovaries
539	In sub humid tropical grassland rate of primary production is more than	A. 2000 g/m <sup>2</sup> /sup> B. 3000&nbsp;g/m <sup>2</sup> /sup> C. 4000&nbsp;g/m <sup>2</sup> /sup> D. 6000&nbsp;g/m <sup>2</sup> /sup>
540	The total energy from the sun is happened by the producers in an ecosystem is about?	A. 20 % B. 10 % C. 5 % D. 1 %
541	Chemical that cause fever and are produce from blood cells are	A. Bilirubin B. Interferons C. Pyrogens D. Anti boidies
542	Which event si not associated with the activity of expiration?	A. Contraction of diaphragm B. More dome like shape of diaphragm C. Back ward& downward movement of rib cage D. Relaxation of intercoastals muscles
543	In terrestrial plants major mechanical stress is imposed by.	A. Gravity B. Temperature C. Wind D. Soil
544	Intercalary meristems are situated at.	A. Root apex B. Shoot apex C. Base of internode D. Top of internode
545	The study of birds is:	A. Ornithology B. Ichthyology C. Herpetology D. Entomology
546	Apoptosis is.	A. Division of cells B. Death of cells by tissue damage C. suicide of cells D. Weakness of cells
547	Vehicle for transport of male gamete in land plants is	A. Water B. Pollen tube C. Pollen grain D. Wind
548	Growth of tissue in an artificial liquid culture medium is termed as.	A. cloning B. Genetic engineering C. Tissue culture D. Gene therapy
549	The sleep movements of plants fall under the category of	A. Growth B. Tactic C. Turgor D. Tropic
550	Which organ is the central station of Metabolism.	A. Liver B. Kidney C. Spleen D. Skin
551		A. Tropomyosim B. Troponin

551	In skeletal muscle, calcium facilitates contraction by binding to:	<p>A. Tropomyosin</p> <p><b>C. Actin</b></p> <p>D. Myosin</p>
552	DNA threads are chemically cut into pieces of different sizes in	<p>A. Maxam-Gilbert method</p> <p>B. Sanger's method</p> <p>C. Smith's method</p> <p><b>D. Sanford's method</b></p>
553	Which one is not desert.	<p>A. Thar</p> <p>B. Thal</p> <p>C. Sahara</p> <p><b>D. Talga</b></p>
554	Identical twins result from the fertilization of:	<p><b>A. One ovum by the sperm</b></p> <p>B. One ovum by the two sperms</p> <p>C. Two ova by two sperms</p> <p>D. Two ova by one sperm</p>
555	Mammals including human maintain their high body temperature within a narrow range of about	<p>A. 30-32oC</p> <p><b>B. 36-38oC</b></p> <p>C. 32-36oC</p> <p>D. 35-37oC</p>
556	The remoras benefit from this relationship the shark is not affected at all.	<p>A. symbiosis</p> <p>B. Mycorrhiza</p> <p>C. Mutualism</p> <p><b>D. Commercialism</b></p>
557	Which one of the following is not endotherm.	<p>A. Bird</p> <p><b>B. Amphibian</b></p> <p>C. Mammal</p> <p>D. Flying insect</p>
558	Bundle caps in sunflower stem, are formed by	<p><b>A. Sclerenchyma</b></p> <p>B. Parenchyma</p> <p>C. Mesenchyma</p> <p>D. Collenchyma</p>
559	During gastrulation the blastoderm splits into two layers, an upper layer of cells is called.	<p>A. Hypoblast</p> <p>B. Area pellucida</p> <p><b>C. Epiblast</b></p> <p>D. Area Opaca</p>
560	About 500 ml water is needed to excrete 1g of ammonia	<p>A. Hydrogen</p> <p>B. Oxygen</p> <p><b>C. Nitrogen</b></p> <p>D. Helium</p>
561	Each type of the principal type of sensation that we can experience e.g pain touch sight sound and so for this called a modality of	<p>A. Regulation</p> <p>B. Susceptibility</p> <p>C. Coordination</p> <p><b>D. Sensation</b></p>
562	RH blood group system is named after.	<p>A. Discoverer</p> <p><b>B. Rhesus monkey</b></p> <p>C. Rhinoceros</p> <p>D. a patient</p>
563	Which tumor is delocalized or has branches other than site of origin.	<p>A. Benign</p> <p><b>B. Malignant</b></p> <p>C. Both</p> <p>D. Apoptosis</p>
564	The individuals called universal recipients have.	<p>A. A blood group</p> <p>B. B blood group</p> <p><b>C. Ab blood group</b></p> <p>D. O blood group</p>
565	The sites where nerve impulse is transmitted from the nerve endings to the skeleton muscle cell membranes are the:	<p><b>A. Neuromuscular junctions</b></p> <p>B. Sarcomeres</p> <p>C. Myofilaments</p> <p>D. Z discs</p>
566	Abdomen has a peritoneal cavity lined by a thin epithelium called	<p>A. Pericardium</p> <p><b>B. Peritoneum</b></p> <p>C. Scrotal sac</p> <p>D. Pleura</p>
567	The simplest form of learning is	<p><b>A. Habituation</b></p> <p>B. Latent learning</p> <p>C. Imprinting</p> <p>D. Insight learning</p>
568	An antibody made by soybeans can be used as treatment for	<p>A. AIDS</p> <p>B. Herpes simple</p> <p><b>C. Genital Herpes</b></p> <p>D. Hepatitis c</p>

569	ADH affects which part of Nephron.	A. Walls of collecting duet B. Glomerulus C. Walls of loop of Henle D. Proximal convoluted tubule
570	Flame cells are part of excretory system of	A. Hydra B. Cockroach C. Planaria D. Earth worm
571	What are the phenotypes of the parent of a colour-blind son and non-carrier daughter with normal colour vision?	A. <b>FATHER MOTHER</b> Carrier Normal B. <b>FATHER MOTHER</b> Colour blind Carrier C. <b>FATHER MOTHER</b> Normal Carrier D. <b>FATHER MOTHER</b> Normal Colour-blind
572	Fresh water flatworms excrete	A. Very dilute urine B. Very concentrated urine C. Slightly concentrated D. Moderately concentrated urine
573	The end products of haemoglobin breakdown and metabolites of various hormones is	A. Glucagon B. Bilirubin C. Keratin D. Serotonin
574	A single chlorine atom can react with ultraviolet rays and destroy as many as ozone molecule.	A. One million B. Two million C. Three million D. One billion
575	The most critical phase of mitosis, which ensures equal distribution of chromatids in the daughter cells is.	A. Prophase B. Tele phase C. Meta phase D. Anaphase
576	In nature to p730 conversion occurs in.	A. Light B. Evening C. Morning D. Dark
577	Flowering is induced in pineapple by growth hormone called.	A. Gibberelline B. Abscissic acid C. Ethene D. Cytokinins
578	Developing seeds are a rich source of.	A. Auxin B. Gibberellins C. Cytokinins D. All of these
579	Endangered species of plants have been recorded to more than.	A. 300 B. 500 C. 600 D. 800
580	The producers in limnetic zone are	A. Amoebae B. Cyanobacteria C. Crustaceans D. Hydrilla
581	Parathyroid hormone acts to ensure that	A. Calcium levels in the blood never drop too low B. Sodium levels in urine are constant C. Potassium levels in the blood do not escalate D. The concentration of water in the blood is sufficient
582	The excretory product that requires maximum water for its removal is.	A. Ammonia B. Creatinine C. Urea D. Uric acid
583	On the basis of structure and shape of the cap, two species of Acetabularia have been identified	A. Acetabularia mediterranea & A.crenulata B. A.typhi & A.mediterranea C. A.crenulata & A.sisso D. A.crenulata & A.arabica
584	Unspecialized cells, neoblast are always present in body of.	A. Salamander B. Planaria C. Lizard D. Newt

A. Virus

585	Causative agent of genital herpes is a.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>B. Bacteria</div> <div>C. fungi</div> <div>D. Protozoan</div> </div>
586	Flagella may have arisen through the ingestion of prokaryotes similar to spiral shaped bacteria called.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. E. Coli</div> <div>B. Streptococcus</div> <div>C. spirochete</div> <div>D. Rhizobium</div> </div>
587	Primer for PCR contains about.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. 5 bases</div> <div>B. 10-20 bases</div> <div>C. 30 bases</div> <div>D. 40 bases</div> </div>
588	Effect of photoperiodism was first studied in 1920 by	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Darwin &amp; Francis</div> <div>B. Garner &amp; Allard</div> <div>C. Linnaeus &amp; Lamarck</div> <div>D. Walson &amp; Crick</div> </div>
589	The prophase stage in which the chromosomes become visible, shorten and thicken.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Leptotene</div> <div>B. Zygotene</div> <div>C. Pachytene</div> <div>D. Diplotene</div> </div>
590	Beri Beri is caused by	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Infection</div> <div>B. Physical disorder</div> <div>C. Nutritional deficiency</div> <div>D. Chemicals cause</div> </div>
591	The amount of energy left plants have met their respiratory needs is net primary production, which shows up as plant:	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Respiration rate</div> <div>B. Photosynthesis</div> <div>C. Biomass</div> <div>D. Food reserve</div> </div>
592	Cambium is formed in stage.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. One</div> <div>B. Two</div> <div>C. Three</div> <div>D. Four</div> </div>
593	Etiolated plants grow without.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Water</div> <div>B. Light</div> <div>C. O<sub>2</sub></div> <div>D. CO<sub>2</sub></div> </div>
594	Alpha cells of pancreas secrete	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Insulin</div> <div>B. Glucagon</div> <div>C. Secretin</div> <div>D. Pancreatic juice</div> </div>
595	High degree of renal failure is also called as.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. uremia</div> <div>B. Leukemia</div> <div>C. Anemia</div> <div>D. Lithotripsy</div> </div>
596	Number of cervical vertebrae in a male camel	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. 7</div> <div>B. 11</div> <div>C. 15</div> <div>D. 18</div> </div>
597	The zoological name of leopard cat is.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Felis domestica</div> <div>B. Felis leo</div> <div>C. Felis bengalensis</div> <div>D. Felis pardus</div> </div>
598	Walter Fleming first discovered chromosomes in the dividing cells of.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Frog larvae</div> <div>B. Sea urchin larvae</div> <div>C. Insect larvae</div> <div>D. Salamander larvae</div> </div>
599	Among the birds Darwin collected 13 types of	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Finches</div> <div>B. Robins</div> <div>C. Ferrets</div> <div>D. Pterodactyls</div> </div>
600	The befouling of the air by anything that may be harmful to living organisms is.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. Water pollution</div> <div>B. Soil pollution</div> <div>C. Air pollution</div> <div>D. Noise pollution</div> </div>
601	Nitrogen waste which is highly toxic and dissolves quickly in body fluids is.	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. CO<sub>2</sub></div> <div>B. Urea</div> <div>C. Ammonia</div> <div>D. Uric Acid</div> </div>
602	Mammalian kidney including human is adapted to conserve water by over	<div> <div></div> <div></div> <div></div> <div></div> </div> <div> <div>A. 20.5%</div> <div>B. 50%</div> <div>C. 99.5%</div> <div>D. 70%</div> </div>

603	The group of animals whose excretory system is structurally associated with nutritive tract.	A. Vertebrates B. Earthworm C. Insects D. Planaria
604	Human lungs are spongy due to the presence of million of:	A. Bronchi B. Alveoli C. Bronchioles D. Trachea
605	Which one is Tall grass	A. Andropogon B. Panicum C. Both a & b D. Stipa
606	During cell division , the nuclear division is called	A. Cytokinesis B. Karyokinesis C. Endomitosis D. Plasmolysis
607	The chromatin material gets condensed by folding and chromosomes appear as thin thread in mitosis at the beginning of.	A. Inter phase B. Pro phase C. Ana phase D. Meta phase
608	Genetic code for the amino acid methionine is.	A. AUC B. UGC C. CGC D. AUG
609	Which of the following chromosome abnormalities lead to tallness, aggressiveness mental defect and anti social behavior.	A. XXY B. XXXY C. XO D. XYY
610	The union of meiotically produced specialized sex cells from each parents produce	A. Fertilized egg B. Unfertilized egg C. Zygote D. Both a & c
611	Urine is preferable vehicle for a biotechnology product than.	A. Plasma B. Blood C. Milk D. Tissue fluid
612	The mammals who walk on tips of the toes, modified into hooves are termed as.	A. Plantigrades B. Digitigrades C. Brach grades D. Unguligrade
613	The macronutrient in biogeochemical cycle is.	A. Iron B. Iodine C. Zinc D. Calcium
614	The interaction between different genes occupying different loci is	A. Pleiotropy B. Epistasis C. Bombay phenotype D. Linkage
615	Ozone depletion is commonly caused by	A. CFCs B. CO <sub>2</sub> C. Smoke D. Smog
616	The tumor which is localized and not transferred to other body parts.	A. Malignant B. Benign C. apoptosis D. Necrosis
617	Temperature around 4°C stimulates the production of.	A. Florigen B. Vernalin C. Ethene D. Auxins
618	Which one of the following would cause the hardy-weinberg principle to be inaccurate?	A. The size of the population is very large. B. Individual mate with one another at random C. Natural selection is present D. There is no source of new copies of alleles from outside the population
619	The strand which elongates towards the replication fork is.	A. Leading B. Lagging C. Okazaki D. Primer

A. Endometrium

620	The uterine layer which is shed with each monthly cycle is:	A. Endometrium B. Perimetrium C. Tunica albuginea D. Myometrium
621	Adult transgenic tobacco plants glowed when sprayed with the substrate	A. Luciferon B. Luciferin C. Luciferol D. Luciferase
622	Innate behavior is all except;	A. Coded in DNA B. Modified in individuals life span C. Modified with species evolution D. Programmed responses to external stimuli
623	Cacti and Euphorbia are the desert plants which store water in their.	A. Fleshy leaves B. Freshy stems C. Freshy roots D. Freshy buds
624	Movement shown by sperms of liver Worts, mosses, ferns towards archegonia is a.	A. chemotactic movement B. Photoactic movement C. Chemotropic movement D. Phototropic movement
625	Between the seminiferous tubules are interstitial cells which secrete	A. Cestrogen B. Testosterone C. Progesterone D. Oxytocin
626	At cytokinesis in plants a membrane structure phragmoplast is formed from vesicles which originate from	A. Lysosomes B. Centrioles C. Golgi complex D. Glyoxisomes
627	Haploid males produce sperms by mitosis.	A. Hydra B. Man C. Earth worm D. Honey bee
628	Study of single population's relationship to its environment is called.	A. Niche B. Autecology C. synecology D. Predation
629	Organisms that have had a foreign gene inserted into them are called.	A. Transgenic organisms B. Polygenesis C. Hermaphrodites D. Transmuted organisms
630	Some detergents contain a lot of	A. sulphur B. Carbon C. Phosphate D. Carbonates
631	The Syndrome which is an example of trisomy of the sex chromosome is	A. Turner's syndrome B. Down's syndrome C. Klinefelter's syndrome D. Tay-Sach's syndrome
632	Opening of flower bud follows.	A. Photonasty B. Hyponasty C. Epinasty D. Haptonasty
633	Programmed and organized death of cell is known as.	A. Apoptosis B. Cancer C. Necrosis D. Metastasis
634	The arctic tundra stretches across Northern North America, Northern Europe and.	A. cyprus B. Siberia C. Morocco D. Nepal
635	A bone is of a part of pelvic girdle.	A. Tiliun B. Ischium C. Humerus D. Pubis
636	The world population is expected to be nearly doubled by.	A. 2020 B. 2030 C. 2040 D. 2050
637	The long day plant produce flowers in the presence of photochrome.	A. P-660 B. P-770 C. P-730 D. P-600

638	A pesticide is a chemical which destroys agricultural	A. Pests B. Competitors C. Crops D. Both a & b
639	An animal that warms itself mainly by absorbing from its surroundings is known as:	A. Homoiotherm B. Ectotherm C. Endotherm D. None of these
640	Animals excreting urea are called.	A. Ammonotelic B. Ureotelic C. Uricotelic D. Aminotelic
641	The main transmitter for synapses that lie outside the central nervous system is	A. Adrenaline B. Acetylcholine C. Serotonin D. Dopamine
642	the reabsorption of water in collecting tubules is under the control of.	A. Aldosterone B. ADH C. Pressure filtration D. Tubular secretion
643	Which of the following act as environmental buffers.	A. Deserts B. Forests C. Fossil fuels D. Industry
644	Which enzyme acts as molecular scissors.	A. DNA ligase B. DNA polymerase C. RNA polymerase D. Restriction endonuclease
645	Inheritance of skin colour in man is controlled by eight pairs of genes , which are:	A. Linked B. Codominant C. Multiple alleles D. Assorting independently
646	Tube feet are locomotor organs of.	A. Jelly fish B. Cattle fish C. Star fish D. Silver fish
647	Absciscic acid can be sprayed on tree crops to regulate	A. Leaf drop B. Shoot drop C. Cone drop D. Fruit drop
648	The temperature more effective for vernalization is	A. 4 °C B. 8 °C C. 12 °C D. 16 °C
649	the main reason for extinction of species is.	A. Population B. Over population C. Habitat Destruction D. Parasitism
650	According to one of the speculations life may have begun deep in the oceans in underwater hot springs called hydrothermal	A. Apertures B. Gaps C. Vents D. Outlets
651	Sperm are formed in.	A. Vas deferens B. Collecting ducts C. Seminiferous tubules D. Epididymis
652	The living organisms producing their own food.	A. Heterotrophs B. Consumers C. Green plants D. Decomposers
653	The number of sets of microtubules originate from each pair of centriole is.	A. 03 B. 04 C. 05 D. 06
654	Branch of biology which deals with the study of abnormal development and their cause is called.	A. Embryology B. Teratology C. Gerontology D. Microcephaly
655	In neurons the message is transmitted across synapse in the form of chemical messenger	A. Nerve impulse B. Synaptic vesicle

[illegible]

673	Tubes that connect the middle ear with the throat in humans are called.	A. eustachian tube B. Fallopian tube C. Neural tube D. Nephridial tube
674	An example of long day plant is	A. Tomato B. Cabbage C. Corn D. Soyabean
675	Darwin's origin of species was published in.	A. 1840 B. 1859 C. 1865 D. 1890
676	Cancer is caused mainly by mutation in.	A. somatic cells B. Sex cells C. Malignant cells D. Reproductive cells
677	An association between organisms of different species in which one partner gets benefit and other is harmed.	A. Mutualism B. Symbiosis C. Parasitism D. Commensalism
678	Unequal separation of chromosomes is called.	A. Disjunction B. Separation C. Non disjunction D. Metastasis
679	In natural selection, the environment plays role affecting the proportions of gene in .	A. Population B. Community C. Area D. Biome
680	Establishment of new forests, where no forests existed before is called.	A. Deforestation B. Desertification C. Afforestation D. Reforestation
681	The term niche was first proposed by Joseph Grinnell an American.	A. Embryologist B. Ecologist C. Ornithologist D. Physiologist
682	Oxytocin is secreted by the endocrine gland named:	A. Pituitary gland B. Thyroid gland C. Parathyroid gland D. Adrenal gland
683	Fibroblasts and osteoblasts migrate into the fracture site and begin to construct	A. Bone B. Cartilage C. Muscle D. Joint
684	Urea is detoxified form of ____ in the urea cycle which can be retained in the body.	A. Ammonia B. Nitrogen C. Uric Acid D. CO <sub>2</sub>
685	From Hensen's node, dorsal mesoderm is formed and is organized into	A. Segments B. Fragments C. Somites D. Remains
686	Blue cone monochrome may be an X-linked trait in which.	A. Red cone cells are absent B. Green cone cells are absent C. Both red and green cone cells are absent D. Blue cone cells are absent
687	As distal end humerus forms hinge joint with	A. Radius B. Ulna C. Tibia D. Both a & b
688	Which hormone in male stimulates the production of testosterone.	A. TSH B. FSH C. LTH D. ICSH
689	Trial and error learning has no role in	A. Operant learning B. Classical conditioning C. Insight D. Imprinting
690	The plant hormone that inhibits the growth lateral shoots	A. Cytokine B. Auxin

690	The plant hormone that inhibit the growth lateral shoots.	C. Gibberellin D. Ethene
691	Amphibians wriggle along the belly on the ground with the help of segmentally arranged	A. Muscles B. Scales C. Skin patches D. Both a & b
692	Triethylamine Oxide is produced in.	A. Hag Fish B. Bony fish C. Marine fish D. Cartilaginous fish
693	Each Okazaki fragment is synthesized by.	A. RNA Polymerase B. DNA polymerase C. DNA polymerase I D. DNA polymerase III
694	Mammalian kidney including human is adapted to conserve water upto.	A. 69.5% B. 79.5% C. 89.5% D. 99.5%
695	Imprinting is best known in birds such as	A. Geese B. Ducks C. Chickens D. All a,b,and c
696	Seperation of homologous chromosomes occur during..	A. Anaphase B. Prophase C. Metaphase D. Telephase
697	The simplest form of learning behaviour is	A. Imprinting B. Habituation C. Latent learning D. Insight learning
698	The collenchymas cells have protoplast and usually lack	A. Secondary wall B. Vacuole C. Middle Lemelta D. Primary wall
699	The two different places of DNA joined together is called as.	A. Dimeric DNA B. Chimeric DNA C. Trimeric DNA D. Tetrameric DNA
700	Which of the following is K bone of axial skeleton.	A. Humerus B. Femus C. Tibia D. Rib
701	in plants regeneration is the basis of plant	A. Fishes B. Amphibian C. Reptiles D. Birds
702	A diluted solution compared to the cell concentration is termed as.	A. Hypertonic B. Hypotonic C. Isotonic D. Paratonic
703	All of the following are day neutral plants except.	A. Pea B. Wheat C. Maize D. Cotton
704	Histones are positively charged due to an abundance of the basic amino acids	A. Arginine B. Lysine C. Both a & c D. Alanine
705	Neck Region is called.	A. Lumber region B. Thoracic region C. Cortical region D. Pelvic region
706	All the collecting tubules of human kidney finally discharge into the.	A. Bowman's capsule B. glomerulus C. Pelvis D. Urethra
707	A gene with multiple phenotypic effect is.	A. Polygenic B. Bombay type C. Pleiotropic D. Monogenic

A. Fibrous joints

708	Joints that are held together by short fibers embedded in connective tissue.	B. synovial joints C. Hing joint D. Cartilaginous joint
709	80% haemophiliacs suffer from haemophilia A due to abnormality of factor	A. VIII B. IX C. X D. XI
710	P660 is quiescent from, is converted to active p 730 by the absorption of.	A. Blue light B. Red light C. Orange light D. Yellow light
711	The groups of ribosomes present in the cell body of the neuron, which are associated with rough endoplasmic reticulum are called:	A. Meissner's corpuscles B. Pacinian corpuscles C. Nissl's granules D. Lysosome granules
712	DNA was discovered in	A. 1869 B. 1864 C. 1961 D. 1972
713	A collection of bacterial and phage viruses clones containing a particular segment of DNA from the source cell is called.	A. Expressing system B. Genome C. Genomic library D. Recombinant DNA
714	In Sindh, the desert ecosystem is called.	A. Thar B. Sahara C. Gobi D. thal
715	Endosymbiont hypothesis was proposed by.	A. Wallace B. Lamarck C. Lynn Margulis D. Linnaeus
716	Shifts in water-solute balance are managed primarily by:	A. Respiratory system B. The urinary system C. Sweating D. The circulatory system
717	Every 200 nucleotides the DNA duplex is coiled around a core of eight histone proteins forming a complex known as a	A. Histomone B. Nucleosome C. Peroxisome D. Glyoxisome
718	Hag fishes are	A. Osmoregulators B. Isotonic C. Hypertonic D. Hypotonic
719	Information back from the control centre to the effectors as done by _____ nerve path way.	A. Afferent B. Efferent C. Both D. None of these
720	Each nuclear power station only can last for about	A. 10 years B. 20 years C. 30 years D. 40 years
721	Patient of cystic fibrosis often die due to numerous infections of.	A. <div>Digestive tract</div> B. Excretory tract C. Respiratory tract D. Reproductive tract
722	The living cells of cartilage are called	A. Cridocytes B. chondrocytes C. Blastocysts D. Nematocytes
723	Primary succession may start in a dry soil or rock is called.	A. Hydrosere B. Xerosere C. Derosere D. Desert
724	The pairing of homologous chromosomes is completed in	A. Leptotene B. Zygotene C. Pachytene D. Diplotene
725	The individuals have additional sex chromosome in	A. Klinefelter's syndrome B. Turner's syndrome C. Down's syndrome D. Sach's syndrome

726	A group of individuals belong to a particular species and sharing a common geographic area is called.	A. Community B. Population C. Ecosystem D. Biosphere
727	Incomplete dominance was discovered by 4 'O clock plant in 1899 by.	A. devries B. Jhannsen C. Carl correns D. Tscharmach
728	When haemoglobin of the blood is fully saturated with oxygen, the 100cc of blood contains	A. 15cc of oxygen B. 20cc of oxygen C. 25cc of oxygen D. 10cc of oxygen
729	The idea of endosymbiont was proposed by.	A. Cuvier B. Lyell C. Malthus D. Margills
730	The central station of metabolism and the body central metabolic clearing agent is.	A. Stomach B. Liver C. Kidney D. Gut
731	If population of predator increase then population of prey	A. Increases B. Decreases C. May increase D. Has no effect or decrease
732	O blood has neither A or B antigen but it does have	A. Anti - A antibodies B. Anti - B antibodies C. Anti - O antibodies D. Both a & b
733	The disorder in which bones are porous and thin but bone composition normal is:	A. Osteomalacia B. Osteoporosis C. Rickets D. Arthritis
734	The disease caused by low calcium in blood is called.	A. Tetanus B. Cramp C. sciatica D. Tetany
735	Cortisol brings about an increase in blood glucose level mainly by its production from protein and by	A. Insulin B. Glucagons C. Oestrogen D. Progesterone
736	The structure in human brain which control hunger is	A. Amygdala B. Hippocampus C. Hypothalamus D. Thalamus
737	Testosterone is secreted by	A. Sertoli cells B. Interstitial cells C. Prostate gland D. Germinal epithelium
738	An association between two organisms by which both are benefited is called.	A. Parasitism B. commensalism C. Mutualism D. Predation
739	The syndrome in which individual has short stature, webbed neck, without ovaries, and complete absence of germ cells is.	A. Mongolism B. Kline felter syndrome C. Down's syndrome D. Turner's syndrome
740	PSC 101 has antibiotic resistance gene for.	A. Tetracycline B. Neomycin C. Ampicillin D. Ergotone
741	During elongation, the cell volume increase upto.	A. 50 fold B. 100 fold C. 150 fold D. 200 fold
742	A pair of kidneys, consist of millions of functional units called.	A. Nephrons B. Dendrons C. Neurons D. Flatrons
743	Karyokinetic involves division of.	A. Cell B. Nucleus C. Cell membrane D. Centrioles

		D. Cytoplasm
744	Earthworm is the ideal example of tubular excretory system called	A. Protonephridia B. Mesonephridia C. Metanephridia D. Prenephridia
745	Macaca mulatta is commonly known as	A. Rhesus monkey B. Chimpanzee C. Apes D. Gorilla
746	In 1970 Hamilton D.Smith at Johns Hopkins University isolated the first	A. DNA polymerase B. DNA ligase C. Diastase D. Restriction enzyme
747	The discoidal cap of cells above the blastocoel is called.	A. Ectoderm B. Endoderm C. Mesoderm D. Blastoderm
748	Who proposed the term 'Niche' in ecology.	A. Haeckel B. Grinnell C. Elton D. Darwin
749	How many base pairs are found in the human genome.	A. Three billion B. thirty billion C. Five billion D. Forty billion
750	Euglena is able to change its direction by the active contraction of.	A. Undulating membrane B. Myonemes C. Cilium D. Flagella
751	Long-day plants will flower in short days if the interrupted period is	A. Long night B. Short Night C. Long day D. Short day
752	Digitigrade mammals tend to walk on their	A. Soles B. Digits C. Tips of the toes D. Tips of the fingers
753	If the codon consisted of only two nucleotides, there would be how many possible codons?	A. 4 B. 8 C. $2^2$ D. 16
754	Animals inhabiting environment with acute shortage water excrete	A. Ammonia B. Uric acid C. Allantoin D. Urea
755	Crossing over and random assortment of chromosomes are two significant happenings of	A. Mitosis B. Amitosis C. Meiosis D. All a,b, and c
756	The process during which potassium and hydrogen ions and some toxic substances are put into urine is called:	A. Tubular secretion B. Reabsorption C. Filtration D. Countercurrent multiplication
757	What is the mortality rate in developing countries due to tetanus.	A. 35% B. 40% C. 45% D. 50%
758	Deficiency of vasopressin or ADH by the pituitary gland leads to a disorder in which the patient's kidney has lessened ability to absorb water is:	A. Diabetes mellitus B. Diabetes insipidus C. Goiter D. Exophthalmic goiter
759	The fusion of four posterior vertebrae present in the pelvic region form.	A. Sacrum B. Lumbar C. coccyx D. Chest cage
760	Embryo implants in the _____ of the uterus.	A. Perimetrium B. Myometrium C. Endometrium D. $\supset$ Cervix $\supset$
		A. Deciduous forest B. Alpine Forest

761	Chilias has major terrestrial ecosystem.	B. Alpine forest C. Grass land D. Tundra
762	Maximum speed of nerve impulse transmission is	A. 100 m/s B. 110 m/s C. 120 m/s D. 130 m/s
763	Which one of the following is not an unpaired bone.	A. Mandible B. Vomer C. Nasal D. Sphenoid
764	In xerosere, polytrichum and tortula represent.	A. Herbaceous stage B. Moss stage C. Follage lichen stage D. Crustose lichen stage
765	The productivity can be indicated by.	A. Consumption of CO <sub>2</sub> B. Consumption of O <sub>2</sub> C. Evolution of CO <sub>2</sub> D. Evolution of N <sub>2</sub>
766	The gene for blue opsin is present on autosome	A. 1 B. 3 C. 5 D. 7
767	Evolutionary relationships among species are reflected in their	A. DNA and proteins B. Emigration C. Immigration D. Inheritance
768	The clavicle connects scapula with.	A. Skull B. Sternum C. Tibia D. Femur
769	A man bold group A marries a women of blood goroup B and they have one child. Which one of the following statements abo ut the child's blood is correct?	A. It could be group A only B. It could be group AB only C. It could be group A or Group B only D. It could be any of the groups A,B,AB, O
770	Microtubules are composed of protein, tubulin and traces of.	A. DNA B. Glycolipid C. RNA D. Phospholipid
771	Lithosphere includes.	A. Air B. Water C. Gases D. Earth soil
772	A respiratory protein which is present i all aerobic organism is.	A. Haemoglobin B. Cytochrome C. Myoglobin D. Cytochrone c
773	The negative physiological changes in our body are said to be	A. Maturation B. Childhood C. Agning D. Displacement
774	Who was the first to propose an objective definition of instincts in terms of animal behaviour	A. Darwin B. Lamarck C. Wallace D. Lyell
775	German botanist Gottlieb Haberlandi said in 1902 that plant cells are	A. Totipotent B. Potent C. Totipersausive D. Totistrong
776	Most efficient way of supporting the body is seen.	A. Fishes B. Aves C. Reptiles D. Mammals
777	Meristem is.	A. Fungi free B. Virus free C. Bacteria free D. Pathogen free
778	Cocklebur (Xanthium),chrysanthemum,soyabean,tobacco,strawberry are examples of	A. Short day plants B. Long day plants C. Day-neutral plants

		D. None of these
779	The type of Nastic movement ,which occurs in response to contact is called.	A. Hyponastic B. Photonasty C. Nyctinasty D. Thermonasty
780	Myoglobin has a special function in muscle tissue:	A. It breaks down glycogen B. It is a contractile protein C. It holds a reserve supply of oxygen in the muscle D. None of these
781	Some individuals leave behind more progeny than others and teh rate at which they do so is affected by their inherited characteristics. This is called.	A. Non random mating B. Selection C. Migration D. Mutation
782	In root nodules, the organisms present are.	A. Bacteria B. Algae C. Fungi D. Cyapobacteria
783	In eukaryotic mRNA molecule there are 90 nucleotide involved in translation process. What is the number of amino acid in the protein formed by this mRNA molecules?	A. 29 Amino acids B. 30 Amino acids C. 45 Amico acids D. 90 Amino acids
784	A callus is an undifferentiated group of	A. Cells B. Tissues C. Organs D. Systems
785	Fertilizations is the process which leads to the union of.	A. Individuals B. Gametes C. Eggs D. Sperms
786	Tundra ecosystem is located on Mountains	A. Kara-koram B. Hindukush C. Salman D. Both a & b
787	The two main causes of air pollution are industrialization and.	A. Automobiles B. Deforestation C. Overgrazing D. Urbanization
788	In 1958, F.C. steward grew a complete carrot plant from tiny piece of.	A. Pith B. Cortex C. Xylem D. Phloem
789	DNA finger prints can also be used as	A. Crime evidence B. Forensic evidence C. Litigation evidence D. Offence evidence
790	The microtubules of mitotic apparatus are composed of protein tubulin nd traces of.	A. DNA B. RNA C. Lipids D. Terpenoids
791	In myelinated neurons, the impulse jumps form node to node and is called.	A. Saltatory impulse B. synapse C. Nerve impulse D. synapsis
792	Unlike most proteins, histones are.	A. Positively charges B. Neutral C. discharged D. Negatively charged
793	During elongation the cell volume increase up to 150 fold due to uptake of	A. Light B. Oxygen C. Water D. Carbon dioxide
794	Human skin colour is controlled by gene pairs.	A. Two to four B. Three to six C. Four to six D. Six to ten
795	Recombinant DNA is introduced into the host cell by means of a.	A. Vector B. Phage C. Bacterium D. Fungus
		A. Genotvpe

796	The form of appearance of the trait is called.	B. Phenotype C. Wild type D. dominance
797	Human appendix, coccyx and nictitating membrane of the eye are:	A. Vestigial organs B. Homologous organs C. Analogous organs D. Embryonic organs
798	median lobe of pituitary gland secretes hormone.	A. Gonadotrophic hormone B. Melanophore stimulating hormone C. antidiuretic hormone D. Somatotrophin
799	Intelligence is also a case of polygenic inheritance which is strongly influenced by	A. Genes B. Environment C. Experience D. Nature
800	The upper weathered layer of earth crust is.	A. Soil B. Rock C. Sandy D. Rhizome
801	Interatrial vertebrates, the gill pouches develop into.	A. Gills B. Lungs C. Nose D. Eustachian tube
802	Grasslands present in temperate climates are also called	A. Prairies B. Pampas C. plain D. Lowland
803	The actual reduction division is.	A. Meiosis -I B. Mitosis C. Cytokinesis D. Meiosis -II
804	Animals of the group of flatworms have simple tubular secretory system called of	A. Kidney B. Nephron C. Protonephridia D. Nephridia
805	The corpus luteum secretes a hormone called.	A. Oxytocine B. Progesterone C. Testosterone D. Oestrogen
806	Detection of changes and signaling for effector's response to control system is called.	A. -ive feedback mechanism B. transformation C. feed back mechanism D. Nephridial system
807	Which one of the given is non sense codon.	A. AUG B. ACU C. GAU D. UAA
808	a succulent plant has water stored in tissue.	A. Cacti B. Moss C. Yarrow D. Spruce
809	Oviduct opens into	A. Uterus B. Cervix C. Vagina D. Bladder
810	Cucumber, tomato, garden pea, maize, cotton are example of.	A. Short day plant B. Day natural plant C. Long day plant D. Night natural plant
811	Fruit ripening is often accompanied by burst of respiratory activity called.	A. Apomixes B. Climacteric C. Endosperm D. Photoperiodism
812	The mesodermal cells do not invaginate but migrate medially and caudally from both sides and create a midline thickening called.	A. Hensen's node B. Primitive streak C. Hypoblast D. epiblast
813	All are related to medulla oblongata, except.	A. Long term memory B. Breathing rate C. Blood pressure D. Heart beat rate

814	Primary tissue is added by the	A. Lateral meristem B. Underground meristem C. Apical meristem D. Vertical meristem
815	Ethene induce flowering in	A. Banana B. Rose C. Pine apple D. Orange
816	Eukaryotes are thought to have first appeared about____billion years ago	A. 1.2 B. 1.3 C. 1.4 D. 1.5
817	The numebr of cervical vertebrae are.	A. 7 B. 12 C. 33 D. 32
818	Animals that do not require to adjust their internal osmotic state actively are known.	A. Osmoregulators B. Osmoconformers C. Terrestrials D. Hypertonic
819	In plants which light enhances cell division.	A. Infra red B. Blue C. Red D. green
820	A single_ atom can react with ultraviolet rays and destroys as many as one million ozone molecules.	A. Oxygen B. Fluorine C. Chlorine D. Iodine
821	None surgical removal of kidney stone is called.	A. Dialysis B. lithotripsy C. Uremia D. Kidney transplant
822	Which one is non-directed orientation?	A. Taxis B. Kinesis C. Tropism D. Imprinting
823	Menstruation usually lasts for	A. 3 - 7 days B. 2 - 5 days C. 1 - 3 days D. 5 - 7 days
824	Bilirubin damages brain cells and turn the skin and whites of eyes yellow, condition is known as.	A. Hepatitis B. Leukamia C. Jaundice D. Botulism
825	The autosomal non disjunction in man in which 21st pair of chromosome fail to segregate resulting in gametes with 24 chromosomes is.	A. Down's syndrome B. Klinefelter syndrome C. Turner's syndrome D. Jacob's syndrome
826	Shape of the plant cell does not change greatly compared with an animal cell because it is surrounded by a rigid	A. Cell membrane B. Capsule C. Sheath D. Cell wall
827	The wall of trachea(windpipe) and bronchi of man is furnished with a series of incomplete:	A. Cartilagenous plates B. Chitinous rings C. Cartilaginous rings D. Muscular rings
828	A disease which causes immobility and fusion of vertebral joint is called.	A. Disc slip B. Sciatica C. Arthritis D. spondylosis
829	Principles of geology was published by.	A. Darwin B. Lyell C. Linnaeus D. Lamarck
830	A woman can be bald only when she is	A. Homozygous dominant B. Heterozygous C. Homozygous recessive D. Maleness
		A. During spermatogenesis two more polar bodies are produced B. The mature ovum is haploid while

831	The basic difference between spermatogenesis and oogenesis is that :	<p>the sperm is 1n</p> <p>C. Spermatogenesis involves mitosis and meiosis, but oogenesis involves meiosis only</p> <p>D. In oogenesis, one mature ovum is produced, and in spermatogenesis four mature sperm are produced</p>
832	How many million nucleotides are in DNA of typical human chromosome	<p>A. 140</p> <p>B. 160</p> <p>C. 180</p> <p>D. 200</p>
833	A dominant plant of the deciduous forest is the	<p>A. Cactus</p> <p>B. Acacia</p> <p>C. euphorbia</p> <p>D. Taxusbaccata</p>
834	Archaeobacteria can tolerate temperature upto.	<p>A. 120 <sup>o</sup>C</p> <p>B. 140 <sup>o</sup>C</p> <p>C. 160 <sup>o</sup>C</p> <p>D. 180 <sup>o</sup>C</p>
835	How many type of receptors are present in skin.	<p>A. Three</p> <p>B. Six</p> <p>C. Five</p> <p>D. Two</p>
836	Cases of disputed parenthood can be solved with the help of	<p>A. DNA Finger printing</p> <p>B. Cloning</p> <p>C. RNA Finger printing</p> <p>D. Gene sequencing</p>
837	Most cartilaginous fishes possess salt excreting organs known as the	<p>A. Coecal gland</p> <p>B. Foetal gland</p> <p>C. Rectal gland</p> <p>D. Sebaceous gland</p>
838	A full set of genes of an individual is called	<p>A. Genotype</p> <p>B. Genomic library</p> <p>C. Genome</p> <p>D. Allelomorph</p>
839	In hershey & chase experiment, 32p labeled bacteriophages allowed to infect the bacteria. During analysis 32 p activity wa detected:	<p>A. In culture medium</p> <p>B. On the surface of becterial cell</p> <p>C. Inside the becteiral cell</p> <p>D. Both a and B</p>
840	Biome is a	<p>A. Simple community</p> <p>B. Complex community</p> <p>C. Regional community</p> <p>D. Climax community</p>
841	In pure form, Ozone is.	<p>A. Greenish</p> <p>B. Reddish</p> <p>C. Blush</p> <p>D. Yellowish</p>
842	A change in the community structure of an ecosystem over a period of time is:	<p>A. Ecological niche</p> <p>B. Ecological mutation</p> <p>C. Succession</p> <p>D. Genetic Drift</p>
843	Which of the following behaves like normal cells.	<p>A. Benign tumor</p> <p>B. Cancer</p> <p>C. Gall</p> <p>D. Malignant tumor</p>
844	In human, relay centre is located is	<p>A. Fore brain</p> <p>B. Mid brain</p> <p>C. spinal cord</p> <p>D. Hind Brian</p>
845	Karyokinesis involves division of nucleus and cytokinesis refer to	<p>A. Division of whole cell</p> <p>B. Division of centromere</p> <p>C. Division of cytoplasm</p> <p>D. Division of cell wall</p>
846	The type of inheritance with same phenotypic and genotypic ratio in F2	<p>A. Dominance</p> <p>B. Incomplete dominance</p> <p>C. Co dominance</p> <p>D. Epistasis</p>
847	Coniferous forests located at high latitude are called	<p>A. Alpine</p> <p>B. Boreal</p> <p>C. Arctic</p> <p>D. Both a &amp; b</p>

A. fluorine

848	As CFCs rise to the atmosphere, the ultraviolet rays release.	A. Fluorine B. Chlorine C. Oxygen D. Carbon
849	The largest part of brain is	A. Cerebellum B. Medulla C. Cerebrum D. Thallamus
850	Air is being polluted rapidly due to	A. Industrialization B. Automobiles C. Sewage D. Both a & b
851	The productivity of aquatic ecosystem is determined by light and	A. CO <sub>2</sub> B. Temperature C. Nutrients D. Water
852	The sensation of pain is produced by	A. Chemoreceptors B. Photoreceptors C. Nociceptors D. Mechanoreceptors
853	The most toxic nitrogenous waste in animals is.	A. Uric acid B. ammonia C. Creatinine D. Urea
854	Discharge of egg from the ovary is called.	A. Oogenesis B. Ovulation C. Spermatogenesis D. Gametogenesis
855	A dichromate can perceive two primary colours but is unable to perceive the one whose opsins are missing due to	A. Metamorphosis B. Transmutation C. Alteration D. Mutation
856	Lavering is the characteristic of.	A. Tundra B. Desert C. Grass land D. Talga
857	Genes that code for therapeutic and diagnostic proteins are incorporated into the animal's DNA and the proteins appear in the animal's	A. Urine B. Blood C. Sweat D. Milk
858	In juxtamedullary nephrons additional capillaries extend down to form at.	A. Vasa deferontia B. Vasa efferetia C. Vasa recta D. Vasa hecta
859	The condensation of chromosomes reaches to its maximum during.	A. Pachytene B. Zygotene C. Leptotene D. Diakinesis
860	Excretory structure present in cockroach are.	A. Contractile vacuole B. Malpighian tubules C. Nephridia D. Flame cells
861	The enzyme which joins the two pieces of DNA is	A. DNA polymerase -I B. DNA ligase C. Restriction endonuclease D. DNA polymerase -II
862	Cystic fibrosis patients lack a gene that codes for trans-membrane carrier of the	A. Chloride ion B. Sodium ion C. Potassium ion D. Calcium ion
863	Urea is produced in	A. Lungs B. Liver C. Kidney D. Pancreas
864	Which of the following is vestigial organ of whale.	A. Pelvis B. Leg bones C. Pelvis and leg bones D. Lungs
865	In spermatophytes important step in land adaptation is the evolution.	A. Seed coat B. Fruit C. Pollen tube D. Flower

866	The process that normally exerts the greatest control over the water balance of an individual is:	A. Sweating B. Kidney function C. Evaporation through the skin D. Respiratory loss
867	Only 30% of the earth is dry land the remainder being covered with	A. Water B. Air C. Trees D. Grass
868	Labour pains are induced by a hormone.	A. ACTH B. Oxytocin C. Progesterone D. Corticosteroid
869	The cross which is used to find out the homozygous or heterozygous nature of the genotype is called.	A. Test cross B. Reciprocal cross C. Monohybrid cross D. Dihybrid cross
870	A woman with normal colour vision, whose father was red-green colour blind, married a red-green colour-blind man. What is the probability of her first-born child being red-green colour blind?	A. 1.0 B. 0.75 C. 0.50 D. 0.025
871	To genome fragment can be separated according to their lengths during .	A. Gel electrophoresis B. PCR C. Cloning D. Gene therapy
872	The gene for blue opsin is present on autosome.	A. 7 B. 11 C. 19 D. 21
873	A monochromat can perceive	A. Three colours B. Yellow & colours C. Only one & colour D. Two & colours
874	Which one the following structures of kidney is involved in the production of concentrated rein.	A. Glomerulus B. Juxtamedullary nephron C. Cortical nephron D. Vasa recta
875	The whole of the world land is called.	A. Lithosphere B. Hydrosphere C. Ecosphere D. Biosphere
876	Action of the venus fly trap is	A. Nyctinasty B. Photonasty C. Haptonasty D. Thermonasty
877	The inflammatory degenerative disease of joint is	A. Arthritis B. Sciatica C. Herniation D. Spondylosis
878	The alveolar walls of the chest cavity of man are composed of the:	A. Ribs B. Intercostals Muscles C. Ribs and intercostal muscles D. Ribs , Intercostals Muscles & diaphragm
879	Dialysis cleans the blood either by	A. Passing it through an artificial kidney B. Filtering it within abdomen C. Removing the whole blood from body D. Both a & b
880	Fruit development without fertilization is	A. Dormancy B. Climacteric C. Parthenocarp D. Parthenogenesis
881	They have adaptations for reduced rate of transpiration.	A. Halophytes B. Hydrophytes C. Mesophytes D. Xerophytes
882	Which one of the following condition is resulted from excess GH in adults?	A. Cushing's disease B. Acromegaly C. Hyperthyroidism D. Diabetes mellitus

883	The adrenal cortex produces _____	A. Adrenaline B. Calcitonin C. Epinephrine D. Aldosterone
884	Selective weed killer	A. 2,4-D B. IAA C. NAA D. IPA
885	End product of hemoglobin breakdown is.	A. Uric acid B. Urea C. Bilirubin D. Ammonia
886	Gonorrhea is caused by.	A. Treponema pallidum B. Neisseria gonorrhoeae C. HCV D. HIV
887	Downs syndrome (Mongolism) occurs in man during which 21 <sup>st</sup> chromosome fails to segregate resulting gamete with	A. 20 chromosomes B. 21 chromosomes C. 22 chromosomes D. 24 chromosomes
888	The cheapest source of energy is	A. Fossil fuels B. Geothermal energy C. Hydroelectric energy D. Nuclear energy
889	ABO blood group system was discovered by	A. Karl Landsteiner B. Bernstein C. Correns D. T.H. Morgan
890	Nociceptors produce sensation of	A. Touch B. Pain C. Warmth D. Pressure
891	Green colour blindness is called.	A. Deuteranopia B. Tritanopia C. Protanopia D. colour blind
892	Which of the following NOT dispose off a type of waste directly to the environment?	A. Digestive system B. Respiratory system C. Circulatory system D. Urinary system
893	Gonadotropin releasing hormone is responsible for the stimulating release of which hormone?	A. LH B. Progesterone C. Secretin D. Insulin
894	Part of brain which controls breathing, heart rate and swelling is.	A. Cerebrum B. Medulla C. Mid Brain D. Cerebellum
895	The outer layer of the blastocyst, which later attaches to the uterus, is:	A. Decidua B. Trophoblast C. Amnion D. Inner cell mass
896	The corpus luteum is formed at the site of	A. Fertilization B. Ovulation C. Menstruation D. Implantation
897	The protective coat which surrounds the embryo is known as:	A. Amnion B. Chorion C. Allantois D. Chorion Allantoic
898	1 g of ammonia nitrogen requires how much water for excretion.	A. 50 ml B. 250 ml C. 100 ml D. 500 ml
899	Environment buffer is a	A. Deserts B. Forest C. Grass land D. Desert
900	In 1953, F. Sanger described the sequence of amino acids of.	A. Myoglobin B. Insulin C. Keratin

		D. Globulin
901	In myelinated neurons the impulse jumps from node to node (node of Ranvier) This is called	A. Myelinated impulse B. Jumping impulse C. Saltatory impulse D. None of these
902	Commonly used restriction enzyme is	A. Ecor4 B. Eco R3 C. EcoR2 D. EcoR1
903	Tetany is disease caused by.	A. Low calcium in blood B. Low sugar blood C. Low Vit. d in blood D. High calcium in blood
904	Mountain of Karakoram are located in major terrestrial ecosystem in Pakistan.	A. Grass land B. tundra C. Coniferous alpine forest D. Temperate deciduous forest
905	___ are indole acetic acid or its variants.	A. auxins B. Gibberellins C. Cytokinine D. Ethene
906	Symbiotic association of analgaliving within fungus mycelium is known as.	A. Mycorrhiza B. Lichen C. Root Nodules D. Parasitism
907	Hatching period of chick is.	A. 15 days B. 18 days C. 21 days D. 28 days
908	In human only one ovum is usually discharged from the ovary at one time this phenomenon is called	A. Ovulation B. Menstruation C. Oestrous D. Apomixes
909	Lichen is a symbiotic association between a fungus and.	A. Gymnosperm B. Angiosperm C. An alga D. Pterrdophyta
910	Cockroach excrete nitrogenous wastes it the form	A. Ammonia B. Urea C. Uric Acid D. Allantioin
911	Oxygen carryiing capacity of blood does not depend upon:	A. Particle pressure of $CO_2$ B. Particle pressure of $O_2$ C. Height from sea level D. Quantity of blood
912	If fertilization does not occur the corpus luteum starts	A. Progesterone B. Menstrual cycle C. Degenerating D. Regenerating
913	During progeny luteotropic hormone LTH and placental lactogen stimulate Mammary development in preparation for.	A. Gestation B. Lactation C. Miscarriage D. After birth
914	RNA and Protein called.	A. Insulin B. Tubulin C. Actin D. Myosin
915	Highly condensed portions of the chromatin are called.	A. Homochromatin B. Heterochromatin C. Euchromatin D. Achromatin
916	The inner soft wall of human uterus is called.	A. Ectometrium B. Exometrium C. Endometrium D. Myoul
917	The primary structure for eliminating waste products in man are	A. Liver B. Kidneys C. Stomach D. Both a & b

918	What will be the age of willow tree 10 centimeter long and 70 centimeter in diameter	A. 40 years B. 50 years C. 60 years D. 70 years
919	Oxides of nitrogen cause.	A. Lungs cancer B. Cough C. Cholera D. Brain damage
920	Coniferous forest located at high altitude are called.	A. Boreal B. Alpine C. Talga D. Prailes
921	The remodeling of bone is a function of which cells?	A. Chondrocytes and osteocytes B. Osteoblasts and osteoclasts C. Chondroblasts and osteoclasts D. Chondroblasts and osteocytes
922	Limetic phytoplankton include the.	A. Bacteria B. Cyanobacteria C. Fishes D. Mouses
923	The sclerenchyma cells found in seed coats and nut shells are the	A. Fibres B. Vessels C. Tracheids D. scleriedes
924	The human egg is swept through the oviduct toward the uterus by:	A. The beating of the egg's cilia B. Rhythmic contraction of the uterus C. Rhythmic contraction of the oviduct D. The beating of the cilia in the oviduct
925	Some amoebflagellates ingested cyanobacteria and led to the development of	A. Mitochondria B. Golgi apparatus C. Chloroplasts D. Vacuoles
926	Rapid movement of leaves of mimosa on touching is a example of.	A. Turgor movement B. Tropic movement C. Nastic movement D. Growth movement
927	Which of the following is macronutrient.	A. Zinc B. Iron C. Sulphur D. Iodine
928	Population of Pakistan in the year 1947 was.	A. 32,5 million B. 50 million C. 150 million D. 180 million
929	Galls are growth on a plant that are induced by	A. Ticks B. Protozoons C. Parasites D. Fungi
930	The hormones which controls the development of male secondary sexual characteristics during puberty is.	A. Progesterone B. Testosterone C. Estrogen D. Thyroxin
931	Identify the day neutral plant.	A. Cabbage B. Cotton C. Tobacco D. Cocklebur
932	Person with Huntington's disease have a unique site where a restriction enzyme cuts.	A. RNA B. DNA C. Lipds D. Proteins
933	The average cell cycle in human is.	A. 24 hours B. 26 hours C. 28 hours D. 30 hours
934	Kohler used chimpanzee to prove	A. Habituation B. Imprinting C. Insight learning D. Latent learning

A. Avoids injury to the strong animals  
B. Protect territory

935	Advantage of pecking orders is to:	C. Find suitable mate D. Assign specific role to individual subordinates
936	Insulin and glucagon hormones are _____ in nature.	A. Carbohydrates B. Proteins C. Polypeptides D. Steroids
937	In mitochondria UGA codon act to specify _____ instead stop codon:	A. Arginine B. Valine C. Glutamic acid D. Tryptophan
938	The change of frequency of alleles at locus that occur by chance is called.	A. Mutation B. Migration C. Genetic drift D. Selection
939	Endangered species of plants have been recorded to more than	A. 200 B. 300 C. 400 D. 500
940	Agriculture was started some years ago.	A. 40,000 B. 10,000 C. 20,000 D. 30,000
941	A group of bacteria that can tolerate temperature upto 120 °C	A. Eubacteria B. Mycoplasma C. Archaeobacteria D. E. Coli
942	Microtubule are composed of	A. Myosin B. Troponin C. Actin D. Tubulin
943	In Griffith experiment mice developed pneumonia when they were injected with:	A. R-type bacteria B. Heat killed S-type bacteria C. Heat killed R-type bases D. Heat killed S-type bacteria along with live R-type bacteria
944	Bombay phenotype is an example of.	A. Pleiotropy B. Probability C. dominance D. epistasis
945	Of all the excretory products, the principal one is.	A. Ammonia B. Urea C. Uric Acid D. Bilirubin
946	Which of the following is NOT recycled in ecosystem?	A. Carbon B. Sulphur C. Energy D. Water
947	Hyponastic movements occur in response to.	A. Contact B. Chemical C. Temperature D. Water
948	Muscle present in the gut wall are.	A. Smooth B. skeletal C. Cardiac D. Voluntary
949	Human skin colour is also a quantitative trait which is controlled by	A. 3 - 6 gene pairs B. 1 - 3 gene pairs C. None of these
950	Each intervertebral disc is a cushion like pad composed of	A. Nucleus pulposus B. Annulus fibrosus C. Stomium globosus D. Both a & b
951	The number of chromosomes in frog is	A. 52 B. 26 C. 13 D. 7
952	Fresh water ecosystem covers less than	A. 7% B. 5% C. 3% D. 1%

953	_____ regulates the kidney's retention of water.	A. Prolactin B. Oxytocin C. Thyroxin D. Vasopressin (ADN)
954	Soyabean is an example of plants.	A. Short day B. Long day C. Day neutral D. Day independent
955	In ascidian fertilized egg, yellow cytoplasm gives rise to	A. Larval epidermis B. Muscle cells C. Notochord D. Gut
956	How many different kinds of the gametes will be formed by an individual, who is heterozygous for four gene pairs:	A. 8 B. 16 C. 20 D. 30
957	Which animal has diffused nervous system.	A. Octopus B. Earthworm C. Planaria D. Jelly fish
958	Cell death due to tissue damage is called.	A. Apoptosis B. Metastasis C. Necrosis D. Suicid
959	The nuclear power station can last only for about.	A. 10 years B. 20 years C. 30 years D. 40 years
960	The most widely used source of energy on earth is.	A. Wind B. Sun C. Water D. Geothermal
961	The biome, which has very fertile soil, rich in organic matter with maximum water holding capacity is.	A. Alpine forest B. Grassland C. Desert D. Temperate deciduous forest
962	First essential phenomenon of meiosis i.e pairing of homologous Chromosomes called synapsis starts in	A. Leptotene B. Zygotene C. Pachytene D. Diplotene
963	Which of the following is the last structure that urine passes through during its excretion from the body?	A. Distal Tubule B. Urethra C. Urinary bladder D. Ureter
964	In oceans especially in tropical regions temperature of surface water is about	A. 10°C B. 15°C C. 25°C D. 35°C
965	total area of the world under cultivation is	A. 30% B. 5% C. 21% D. 11%
966	Hemodialysis means	A. Removing the blood B. Cleaning the blood C. Storing the blood D. diluting the blood
967	Hyponasty is caused by	A. Auxin B. Gibberellins C. Abscissic acid D. Cytokinins
968	The most toxic substance routinely found in the blood are metabolites of what type of molecule?	A. Proteins B. Carbohydrates C. Nucleic acids D. Fats
969	C-Eton defined the Niche as the species.	A. Behavior B. Role C. Address D. Habitat
970	Antidiuretic hormone (ADH) released from posterior pituitary act to actively transport water from filtrate to kidney.	A. Pelvis B. Medulla C. Cortex D. Nephron

	from nitrate to kidney s	C. Cortex D. Interstitium
971	The mechanism of evaporative cooling in respiratory tract of dog is known as	A. Panting B. Shivering thermogenesis C. Thermoregulation D. vasodilation
972	Which process is characterized by movement and rearrangement of cells in the embryo	A. Blastulation B. None of these C. Neurulation D. Gastrulation
973	In Ecosystem, Second trophic level is altitude are.	A. Producer B. Primary consumer C. Secondary consumer D. Tertiary consumer
974	It is not fossilized fuel.	A. Lignite B. Peat C. Oil D. Natural gas
975	Chromosomes appear inside the nucleus at the time of.	A. Cell division B. Cell maturation C. Cell elongation D. Cell differentiation
976	The protein filament which binds to the calcium is	A. Actin B. Myosin C. Troponin D. Tropomyosin
977	The total aggregate of genes in a population at any one time is called the population's gene	A. Puddle B. Lake C. Pool D. Pond
978	Protonopia is	A. Red blindness B. Blue blindness C. Green blindness D. Brown blindness
979	The human embryo is referred to as the fetus from beginning of.	A. 3rd month B. 3rd week C. 6th months D. 6th week
980	Endocrine gland secrete	A. Hormones B. Salts C. Enzymes D. Mucous
981	Nuclear membrane disorganizes at the beginning of	A. Prophase 1 B. Metaphase 1 C. Anaphase 1 D. Telophase 1
982	The causes of green house effect are:	A. Over urbanization B. Deforestation C. Industrialization D. All of them
983	The urine leaves the body during urination from bladder through a tube called.	A. Pelvis B. Urethra C. Ureter D. Medulla
984	The stage that lasts for days, weeks or even years	A. Zygotene B. Leptotene C. Pachytene D. Diplotene
985	A willow 10 centimetres (4 inches) high may have a trunk 7 centimetres (3 inches) in diameter and be 50 years old in	A. Taiga B. Tundra C. Desert D. Savanna
986	Okazaki fragments are about 1000 - 2000 nucleotides long in	A. Prokaryotes B. Eukaryotes C. Both a & b D. None of these
987	The idea of endosymbiont was proposed by	A. Cuvier B. Lyell C. Malthus D. Margulis

A. Arthritis

988

Which one of the following is not a joint diseases.

- B. sciatica
  - C. Disc slip
  - D. spondylosis
-