

## Biology Multiple Choice Questions

1. Which is the largest organ in human beings?  
(a) Skin (b) Large Intestine  
(c) Small Intestine (d) Liver
2. *Delonix regia* Rafin is the scientific name of -  
(a) Banyan (b) Gulmohar  
(c) Tamarind (d) Chiku
3. Amoeba belongs to the phylum -  
(a) Protozoa (b) Annelida  
(c) Porifera (d) Platyhelminthes
4. Diabetes is caused by -  
(a) Excess of insulin  
(b) Low production of Insulin  
(c) Malfunction of liver  
(d) Higher production of bilirubin
5. *Tectona grandis* Linn is the scientific name of -  
(a) Guava (b) Teak  
(c) Amla (d) Chiku
6. Sea-Anemones belongs to the phylum?  
(a) Arthropoda (b) Cnidaria  
(c) Porifera (d) Mollusca
7. Deficiency of which of the following causes non-clotting of blood?  
(a) Vitamin C (b) Vitamin K  
(c) Vitamin E (d) Vitamin B12
8. The process of producing energy in plants is known as -  
(a) Absorption (b) Reduction  
(c) Photosynthesis (d) Transpiration
9. Which Virus causes Chicken Pox?  
(a) Rubella Virus  
(b) Varicella zoster virus  
(c) Rabies  
(d) Variola Virus
10. Yellow fever is a disease spread through which of the following?  
(a) Flies (b) Mosquito  
(c) Rat (d) Cockroach
11. Mangroves are plants that have -  
(a) Modified Roots (b) Modified Stems  
(c) Respiratory Roots (d) Respiratory Stems
12. *Rodentia Sciurus* is the scientific name of -  
(a) Rat (b) Platypus  
(c) Squirrel (d) Beaver
13. Which of the following is a symptom of haemophilia?  
(a) Night Blindness (b) No clotting of Blood  
(c) Rickets (d) Loss of haemoglobin
14. The process of pollination by birds is also known as -  
(a) Hydrophily (b) Entomophily  
(c) Embryophily (d) Ornithophily
15. Spiders belong to the phylum -  
(a) Mollusca (b) Annelida  
(c) Cnidaria (d) Arthropoda
16. Which of the following is induced by Oncogene?  
(a) Polio (b) Cancer  
(c) Diarrhoea (d) Dengue
17. *Azadirachata indica* is the scientific name of -  
(a) Neem (b) Teak  
(c) Silver Oak (d) Tulsi
18. Octopus belongs to the phylum -  
(a) Mollusca (b) Cnidaria  
(c) Echinodermata (d) Chordata
19. Medulla oblongata is a part of which of the following?  
(a) Heart (b) Brain  
(c) Lungs (d) Stomach
20. \_\_\_\_\_ is a typically one celled, reproductive unit capable of giving rise to a new individual without sexual fusion.  
(a) Egg (b) Spore  
(c) Sperm (d) Seed
21. Bacteria was discovered by -  
(a) Antonie van Leeuwenhoek (b) Belarus  
(c) Hugo de Vries (d) Robert Brown
22. Scurvy (bleeding of gums) is caused by deficiency of which vitamin?  
(a) Vitamin K (b) Vitamin B2  
(c) Vitamin C (d) Vitamin A
23. *Achras sapote* is the scientific name of  
(a) Custard Apple (b) Gulmohar  
(c) Tamarind (d) Chiku
24. Prawn belongs to the phylum  
(a) Arthropoda (b) Cnidaria  
(c) Echinodermata (d) Chordata
25. Pulses are a rich source of which of the following?  
(a) Carbohydrates (b) Proteins  
(c) Minerals (d) Vitamin A



26. Plant cell wall is made up of -  
(a) Cellulose (b) Glucose  
(c) Sucrose (d) Fructose
27. The study of Fungi is also known as -  
(a) Cytology (b) Myology  
(c) Mycology (d) Neurology
28. The outermost layer of skin is -  
(a) Epidermis (b) Dermis  
(c) Tissues (d) Hypodermis
29. Which of the following plants have root nodules?  
(a) Leguminous plants (b) Parasitic plants  
(c) Epiphytic Plants (d) Aquatic Plants
30. Earth-worms belongs to the phylum -  
(a) Protozoa (b) Cnidaria  
(c) Annelida (d) Mollusca
31. Ringworm is a disease caused by -  
(a) Fungi (b) Bacteria  
(c) Virus (d) Flies
32. *Mangifera indica* is the scientific name of -  
(a) Guava (b) Mango  
(c) Amla (d) Jack fruit
33. Crabs belongs to the phylum -  
(a) Mollusca (b) Cnidaria  
(c) Arthropoda (d) Platyhelminthes
34. Myopia is a defect of eyes which is also known as -  
(a) Far Sightedness  
(b) Near Sightedness  
(c) Astigmatism  
(d) Night Blindness
35. Who is known as the father of Green Revolution?  
(a) Dr. Robert Nucleus  
(b) Dr. Ian Wilmut  
(c) Dr. N E Borlaug  
(d) Dr. JC Bose
36. *Panthera Tigris* is the scientific name of -  
(a) Panther (b) Tiger  
(c) Whale (d) Goat
37. How many facial bones are there?  
(a) 34 (b) 24  
(c) 14 (d) 4
38. Halophytes are plants that grow in -  
(a) Fresh Water (b) Cold Water  
(c) Ponds (d) Salt Water
39. *Felis Catus* is the scientific name of -  
(a) Cat (b) Dog  
(c) Mouse (d) Porcupine
40. Pneumonia affects which of the following organs of human body?  
(a) Kidneys (b) Lungs  
(c) Throat (d) Liver
41. Mendel is known as -  
(a) Father of Physiology  
(b) Father of Geology  
(c) Father of Genetics  
(d) Father of Biology
42. Which of the following are also known as Suicidal bag of Cells?  
(a) Lysosomes (b) Lycosome  
(c) Nucleus (d) Chromosome
43. The largest gland of the human body is -  
(a) Pancreas (b) Thyroid  
(c) Large Intestine (d) Liver
44. Photosynthesis in plants takes place in -  
(a) Stem (b) Leaves  
(c) Roots (d) Flower
45. Insects that transmit diseases are known as -  
(a) Pathogens (b) Vectors  
(c) Drones (d) Scalars
46. Which is the second largest gland of Human body?  
(a) Liver (b) Large Intestine  
(c) Thorax (d) Pancreas
47. *Annona squamosa* is the scientific name of -  
(a) Custard Apple (b) Papaya  
(c) Babul (d) Drumstick
48. Binomial Nomenclature was founded by -  
(a) Charles Darwin (b) Robert Nucleus  
(c) Carl Linnaeus (d) Lamarck
49. The disease Beri Beri is caused due to the deficiency of which of the following?  
(a) Vitamin B2 (b) Vitamin B1  
(c) Vitamin B12 (d) Vitamin E
50. Chlorophyll was first isolated and named by -  
(a) Caventou  
(b) Pelletier  
(c) Chlorophyll  
(d) Caventou and Pelletier
51. Which of the following organisms does not fit into the Cell Theory?  
(a) Bacteria (b) Virus  
(c) Fungi (d) Plants
52. Which drug is used as an Anti-Inflammatory?  
(a) Metformin (b) Diazepam  
(c) Latanoprost (d) Prednisone



53. *Musa paradisiaca* is the scientific name of which plant?  
 (a) Mango (b) Wheat  
 (c) Corn (d) Banana
54. Prawns belong to which family?  
 (a) Crustaceans (b) Fish  
 (c) Amphibians (d) Reptiles
55. Vitamin A is also known as \_\_\_\_\_.  
 (a) Thiamine (b) Riboflavin  
 (c) Retinol (d) Calciferol
56. Some roots, called \_\_\_\_\_, arise from an organ other than the radicle.  
 (a) Tap roots (b) Stilt roots  
 (c) Fibrous roots (d) Adventitious roots
57. Spiders belong to which class of animals?  
 (a) Arachnids (b) Aves  
 (c) Gastropods (d) Anthozoa
58. How many layers does Human Skin have?  
 (a) 5 (b) 7  
 (c) 11 (d) 3
59. *Allium Cepa* is the scientific name of \_\_\_\_\_.  
 (a) Carrot (b) Tomato  
 (c) Potato (d) Onion
60. DNA stands for \_\_\_\_\_.  
 (a) Di Nucleic Acid (b) Deoxy Nucleic Acid  
 (c) Diribonucleic Acid (d) Deoxyribonucleic Acid
61. Which drug is used as an Antidepressant?  
 (a) Oxybutynin (b) Tramadol  
 (c) Sumatriptan (d) Bupropion
62. The orange colour of carrot is because of -  
 (a) it grows in the soil. (b) Carotene  
 (c) it is not exposed to sunlight. (d) the entire plant is orange in colour.
63. Snake venom is highly modified saliva containing \_\_\_\_\_.  
 (a) Prototoxins (b) Neurotoxins  
 (c) Zootoxins (d) Electrottoxins
64. Prothrombin, responsible for clotting of blood is released by \_\_\_\_\_.  
 (a) Small Intestine (b) Blood Platelets  
 (c) Large Intestine (d) Heart
65. *Acacia arabica* is the scientific name of -  
 (a) Neem (b) Teak  
 (c) Babul (d) Pomegranate
66. *Cannis Vulpes* is the scientific name of -  
 (a) Dog (b) Wolf  
 (c) Fox (d) Hyena
67. Which drug is used to cure Hypertension?  
 (a) Risedronate (b) Diazepam  
 (c) Folic Acid (d) Hydralazine
68. The beetroot is the \_\_\_\_\_ portion of the beet plant.  
 (a) Tap root (b) Adventitious  
 (c) Bulb of the stem (d) Rhizome
69. What is the basic unit of heredity?  
 (a) DNA (b) RNA  
 (c) Chromosome (d) Gene
70. Which drug is used for Pain Relief?  
 (a) Risedronate (b) Tramadol  
 (c) Folic Acid (d) Bupropion
71. Sugarcane is a type of \_\_\_\_\_.  
 (a) Creeper (b) Tree  
 (c) Shrub (d) Grass
72. Who is commonly known as "the Father of Microbiology"?  
 (a) Robert Hooke  
 (b) Antonie van Leeuwenhoek  
 (c) Carl Linnaeus  
 (d) Charles Darwin
73. The primary function of RNA is -  
 (a) Photosynthesis (b) Protein Synthesis  
 (c) Replication (d) Translation
74. \_\_\_\_\_ is the movement of molecules across a cell membrane from a region of their lower concentration to a region of their higher concentration.  
 (a) Diffusion (b) Osmosis  
 (c) Active Transport (d) Passive Transport
75. Study of classification of organisms is known as \_\_\_\_\_.  
 (a) Serpentology (b) Virology  
 (c) Taxonomy (d) Physiology
76. Which drug is used as an Antidiabetic drug?  
 (a) Metformin (b) Zolpidem  
 (c) Promethazine (d) Hydralazine
77. Photosynthesis takes place inside plant cells in \_\_\_\_\_.  
 (a) Ribosomes (b) Chloroplasts  
 (c) Nucleus (d) Mitochondria
78. \_\_\_\_\_ is the cell organelle, in which the biochemical processes of respiration and energy production occur.  
 (a) Mitochondria (b) Chloroplast  
 (c) Ribosomes (d) Nucleus
79. The yellow colour of human urine is due to -  
 (a) Bile Salts (b) Cholesterol  
 (c) Lymph (d) Urochrome
80. The wilting of plants takes place due to \_\_\_\_\_.  
 (a) Risedronate (b) Diazepam  
 (c) Folic Acid (d) Hydralazine



- (a) Photosynthesis (b) Transpiration  
(c) Absorption (d) Respiration
81. Bovidae Ovis is the scientific name of \_\_\_\_\_.  
(a) Goat (b) Cow  
(c) Buffalo (d) Sheep
82. Which of the following is secreted by the liver?  
(a) Glucose (b) Iodine  
(c) Cortisol (d) Bile
83. Ferns belong to which division of plants?  
(a) Gymnosperms (b) Angiosperms  
(c) Thallophyta (d) Pteridophyta
84. Who invented Antibiotics?  
(a) Joseph Lister (b) William Harvey  
(c) Robert Knock (d) Alexander Fleming
85. Intestinal bacteria synthesizes which of the following in the human body?  
(a) Vitamin K (b) Proteins  
(c) Fats (d) Vitamin D
86. \_\_\_\_\_ is the study of the physical form and external structure of plants.  
(a) Physiology (b) Anatomy  
(c) Phytomorphology (d) Cytology
87. Which of the following is a structural and functional unit of kidneys?  
(a) Renette Cells (b) Flame Cells  
(c) Nephrites (d) Nephrons
88. Which of the following is the largest part of the human brain?  
(a) Ribs (b) Cerebrum  
(c) Pons (d) Thalamus
89. The auxiliary buds \_\_\_\_\_.  
(a) grow endogenously from the pericycle (b) arise endogenously from the main growing point  
(c) is an embryonic shoot located in the axil of a leaf  
(d) arise exogenously from the epidermis
90. Which of the following is a viral disease?  
(a) Polio (b) Tetanus  
(c) Leprosy (d) Plague
91. Contraction of heart is also known as -  
(a) Systole (b) Aristotle  
(c) Diastole (d) Lub
92. Azadirachta indica is the botanical name of which of the following?  
(a) Rose plant (b) Apple tree  
(c) Neem (d) Mango
93. Which of the following is the main end product of carbohydrate digestion?  
(a) Fats (b) Lipids  
(c) Glucose (d) Cellulose
94. Which of the following glands is a source of the enzyme Ptyalin?  
(a) Pancreas (b) Thyroid Gland  
(c) Pituitary Gland (d) Salivary Glands
95. Which of the following is not true about Pteridophyta?  
(a) Dominant phase is saprophytes  
(b) Main plant body is diploid  
(c) Seeds are present  
(d) Flowers are absent
96. The largest dolphin species is the orca, also called as \_\_\_\_\_.  
(a) Bottle Nose (b) Baiji  
(c) Killer whale (d) Tucuxi
97. The fat digesting enzyme Lipase is secreted by which of the following  
(a) Kidneys (b) Pancreas  
(c) Large Intestine (d) Liver
98. The arrangement of leaves on an axis or stem is called  
(a) Phyllotaxy (b) Vernation  
(c) Venation (d) Phytotaxy
99. The study of Cells is also known as  
(a) Cytology (b) Physiology  
(c) Nucleology (d) Cellology
100. Which compound is used in Anti-malarial drug?  
(a) Aspirin (b) Neosporin  
(c) Chloroquine (d) Antacid
101. Which of these is not a macronutrient for Plants?  
(a) Nitrogen (b) Phosphorus  
(c) Potassium (d) Chlorine
102. Name the respiratory organs of insects -  
(a) Skin (b) Body Surface  
(c) Gills (d) Tracheae
103. What does Trypsin do?  
(a) Breaks down Carbohydrates  
(b) Synthesizes proteins  
(c) Breaks down fats  
(d) Breaks down proteins
104. Name the source from which Aspirin is produced?  
(a) Willow bark (b) Oak Tree  
(c) Acacia (d) Eucalyptus
105. Canis Familiaris is the scientific name of -  
(a) Cat (b) Dog  
(c) Fox (d) Wolf
106. Which of the following induces souring of milk?  
(a) Acetic Acid (b) Citric Acid  
(c) Ascorbic Acid (d) Lactic Acid
107. Which non-flowering, spore bearing plants have roots?



- (a) Mosses (b) Angiosperms  
(c) Ferns (d) Gymnosperms
108. Which of the following is an excretory organ of cockroach?  
(a) Malphigian Tubules (b) Nephridia  
(c) Coxal Gland (d) Green Gland
109. Which drug is used to cure Osteoporosis?  
(a) Risedronate (b) Tramadol  
(c) Promethazine (d) Levothyroxine
110. A \_\_\_\_\_ is the fleshy, spore-bearing fruiting body of a fungus.  
(a) Aloe Vera (b) Coral  
(c) Cactus (d) Mushroom
111. Which of the following is a fungal disease?  
(a) Dermatitis (b) Cholera  
(c) Jaundice (d) Indigofera
112. What is the total number of bones in the human body(adult)?  
(a) 206 (b) 103  
(c) 309 (d) 412
113. *Emblca officinalis* is the scientific name of -  
(a) Peepal (b) Mango  
(c) Amla (d) Drumstick
114. Sponges belongs to the phylum -  
(a) Protozoa (b) Annelida  
(c) Porifera (d) Cnidaria
115. *Azolla* increases soil fertility for -  
(a) Maize cultivation (b) Wheat cultivation  
(c) Barley cultivation (d) Rice cultivation
116. Which of the following is responsible for transport of food and other substances in plants?  
(a) Xylem (b) Phloem  
(c) Chloroplast (d) None of these
117. Which lobe of human brain is associated with hearing?  
(a) Frontal lobe (b) Parietal lobe  
(c) Temporal lobe (d) Occipital lobe
118. In mammals, an important role of excretion is played by\_\_\_\_\_.  
(a) Large intestine (b) Kidneys  
(c) Lungs (d) Liver
119. Which of the digestive organs contains gastric acid?  
(a) Stomach (b) Small intestine  
(c) Appendix (d) Colon
120. Biofertilizers convert nitrogen to \_\_\_\_\_.  
(a) Nitrates (b) Ammonia  
(c) Nitrogeneous (d) Amino acids
121. Polio is caused by -  
(a) Bacteria (b) Virus  
(c) Fungus (d) Protozoa
122. In bio fortification technique plant breeders use breeding to overcome -  
(a) Loss due to insect pests  
(b) Decrease in food production  
(c) Deficiencies of micronutrients and vitamins  
(d) Loss due to plant diseases
123. Potato is a modiefied?  
(a) Root (b) Stem  
(c) Bud (d) Fruit
124. Haematopoiesis take place in \_\_\_\_\_.  
(a) Lungs (b) Pancreas  
(c) Liver (d) Bone marrow
125. \_\_\_\_\_ is a hormone that regulates the amount of glucose in the blood.  
(a) Glucogen (b) Thyroxine  
(c) Oxytocin (d) Insulin
126. Pellagra and Scurvy are caused by which pair of vitamin deficiency respectively \_\_\_\_\_.  
(a) Vitamin C and Vitamin D  
(b) Vitamin B-3 and Vitamin C  
(c) Vitamin C and Vitamin A  
(d) Vitamin A and Vitamin B-12
127. The suicidal bags of the cell are -  
(a) Lysosomes (b) Ribosomes  
(c) Dictyosomes (d) Phagosomes
128. Clove is obtained from-  
(a) Root (b) Stem  
(c) Leaves (d) Flower buds
129. The largest artery in human body is -  
(a) Aorta (b) Capillary  
(c) Vena cava(d) Pulmonary vein
130. Which cells in pancreas produce Insulin?  
(a) Thymus (b) Estrogen  
(c) Corpus epididymis (d) Islets of Langerhans
131. Who is known as the 'Father of Green Revolution'?  
(a) G.Paul (b) Norman Borlaug  
(c) Van Neil (d) Dr.Mithchell
132. The oxygen liberated during photosynthesis comes from -  
(a) Water (b) Carbon dioxide  
(c) Glucose (d) Chlorophyll
133. The xylem in plants are responsible for:  
(a) transport of water  
(b) transport of food  
(c) transport of amino acids  
(d) transport of oxygen
134. Which of the following bacterium causes crown gall disease in plants?



- (a) *Bacillus thurigiensis*  
 (b) *Agrobacterium tumefaciens*  
 (c) *Pseudomonas fluorescens*  
 (d) None of these
135. Eustachian Tube is located in which part of human body?  
 (a) Nose (b) Ear  
 (c) Eyes (d) Throat
136. Which part of the brain plays an important role in motor control?  
 (a) Cerebellum (b) Cerebrum  
 (c) Medulla (d) Pons
137. 'Agronomy' is the practice of raising \_\_\_\_\_  
 (a) Plants and Animals (b) Crop plants  
 (c) Agriculture (d) Fruit plants only
138. Goitre is caused by the deficiency of \_\_\_\_\_  
 (a) Zinc (b) Calcium  
 (c) Iodine (d) Chlorine
139. Which organ gets affected in Weil's disease?  
 (a) Kidney (b) Lung  
 (c) Liver (d) All of these
140. The food conducting tissue of a plants is -  
 (a) Phloem (b) Xylem  
 (c) Parenchyma (d) Collenchyma
141. The heat treatment applied to milk to stabilize and to remove disease causing bacteria is called as  
 (a) Pasteurization (b) Fermentation  
 (c) Coagulation (d) Homogenization
142. Cockroach cannot survive in the water because its respiratory organ is -  
 (a) Gill (b) Trachea  
 (c) Book lung (d) Pulmonary sac
143. Which of the following is an egg laying mammal?  
 (a) Bat (b) Leafy-Ant eater  
 (c) Whale (d) Spiny Ant-eater
144. Which one of the following is the smallest bird?  
 (a) Peacock (b) Penguin  
 (c) Humming bird (d) Emu
145. Flat footed camels can walk easily in sandy deserts because -  
 (a) pressure on the sand is decreased by increasing the area of the surface in contact  
 (b) pressure on the sand is increased by increasing the area of the surface in contact  
 (c) pressure on the sand is decreased by decreasing the area of the surface in contact  
 (d) pressure on the sand is increased by decreasing the area of the surface in contact
146. Mitochondria was discovered by -  
 (a) Weismann (b) Darwin  
 (c) Lamarck (d) Richard Altamann
147. The chemical used for destroying fungi in water tanks is -  
 (a) Copper Sulphate  
 (b) Magnesium Sulphate  
 (c) Zinc Sulphate  
 (d) Nitric Acid
148. Which of the following is a Parthenocarpic fruit?  
 (a) Banana (b) Apple  
 (c) Mulberry (d) Strawberry
149. Carrot is orange in colour because -  
 (a) it grows in the soil  
 (b) it is not exposed to sunlight  
 (c) it contains carotene  
 (d) the entire plant is orange in colour
150. Water in plants is transported by -  
 (a) Cambium (b) Phloem  
 (c) Epidermis (d) Xylem
151. Term Vitamin was coined by -  
 (a) Charles Levaran (b) Casimir Funk  
 (c) Robert Koch (d) Robert hooke
152. Nutrients are recycled in the atmosphere with the help of certain microorganisms referred to as-  
 (a) Producers (b) Consumers  
 (c) Decomposers (d) None of these
153. Scurvy is caused due to the deficiency of -  
 (a) Vitamin-D (b) Vitamin-K  
 (c) Vitamin-E (d) Vitamin-C
154. Disorder in which concentration of glucose in the blood is high -  
 (a) Hyperglycemia (b) Glycosuria  
 (c) Glucoma (d) Uremia
155. Birds which swim in water have -  
 (a) Webbed feet (b) Broad wings  
 (c) Long beaks (d) Toes with claws
156. Which one of the following diseases is caused due to presence of excess arsenic in water?  
 (a) Alzheimer's disease (b) Parkinson's disease  
 (c) Skin cancer (d) Indigestion
157. Animals living in the tree trunks are known as -  
 (a) Arboreal (b) Volant  
 (c) Amphibious (d) Aquatics
158. Which of the following is correct about cold-blooded animals?  
 (a) Their blood remains cold all the time  
 (b) Their body temperature changes in accordance with atmosphere  
 (c) Their body temperature remains constant all the time  
 (d) They kill all the animals they came across
159. Which of the following animals has the longest life span?  
 (a) Elephant (b) Crocodile  
 (c) Dog (d) Tortoise



160. Food is stored in plants in the form which carbohydrate?  
 (a) Starch (b) Glucose  
 (c) Fructose (d) Cellulose
161. Proteins are made up of -  
 (a) Sugars (b) Amino acids  
 (c) Fatty acids (d) Nucleic acid
162. Which one of the following is sanguinivorous ?  
 (a) Mosquito (b) Bees  
 (c) Housefly (d) Snail
163. Which one of the following organs converts glycogen into glucose and purifies the blood?  
 (a) Liver (b) Kidney  
 (c) Lungs (d) Spleen
164. The Saliva helps in the digestion of -  
 (a) Proteins (b) Starch  
 (c) Fibres (d) Fats
165. The tissue in man where no cell division occurs after birth is -  
 (a) Epithelial (b) Nerves  
 (c) Connective (d) Germinal
166. The normal, RBC count in adult male is -  
 (a) 4.5- 6.1 million (b) 7.5- 8.5 million  
 (c) 2- 3 million (d) 1.5- 2.5 million
167. The branch of biology dealing with the study of cells is known as -  
 (a) Cytology (b) Histology  
 (c) Psychology (d) Physiology
168. Which is the anti-coagulant substance in blood?  
 (a) Fibrinogen (b) Heparin  
 (c) Thrombin (d) Globin
169. Which one of the following cells produce antibodies?  
 (a) Eosinophil (b) Monocyte  
 (c) Basophil (d) Lymphocytes
170. Arthritis is caused by the deposition of which "of the following" in the joints of the body?  
 (a) Urea (b) Uric acid  
 (c) Albumin (d) Cholesterol
171. Which of the following parasites is responsible for 65% of the cases of malaria in India?  
 (a) P.malariae (b) P.vivax  
 (c) P.falciparum (d) P.Ovale
172. Hydrophobia is caused by -  
 (a) Bacteria (b) Fungus  
 (c) Virus (d) Protozoan
173. Anthophobia is fear of the following:  
 (a) Boss (b) Fire  
 (c) Flowers (d) Dogs
174. The disease caused by swelling of the membrane over spinal cord and brain is  
 (a) Leukaemia (b) Paralysis  
 (c) Sclerosis (d) Meningitis
175. One out of every 200 babies born in India, dies of diarrhea caused by:  
 (a) Bacteria (b) Rotavirus  
 (c) Amoeba (d) Fungus
176. The disease hysteria is classed in  
 (a) Women (b) Men  
 (c) Boy (d) None of these
177. 'SILICOSIS' is a -  
 (a) Kidney disease  
 (b) Liver disease  
 (c) Lung disease  
 (d) Neurological disorder
178. Food poisoning is due to -  
 (a) E.coli (b) Salmonella bacilli  
 (c) Pseudomonas (d) Candida
179. The famous 'Bubble Baby Disease' is so called because:  
 (a) It is caused by water bubble  
 (b) the suffering baby makes bubbles of saliva  
 (c) The suffering baby is treated in a germ-free plastic bubble  
 (d) It is cured only water bubble
180. Which of the following is essential to regulate the heart beat?  
 (a) Sodium (b) Sulphur  
 (c) Potassium (d) Iron
181. Which hormone controls the quantity of urine from kidney?  
 (a) TSH (b) ACTH  
 (c) FSH (d) ADH
182. Cobalt-60 is generally used in radiation treatment because it ejects-  
 (a)  $\alpha$  rays (b)  $\beta$  rays  
 (c)  $\gamma$  rays (d) X-rays
183. The radio isotope used in the detection of tumour is  
 (a) Arsenic - 74 (b) Cobalt - 60  
 (c) Sodium - 24 (d) Carbon - 14
184. The poison of honey bee is ?  
 (a) Acid (b) Saltish  
 (c) Alkaline (d) Protein
185. Which of the following increases the rate of heart beat?  
 (a) Peripheral nerves  
 (b) Sympathetic nerves  
 (c) Parasympathetic nerves  
 (d) Cranial nerves
186. The deficiency of Niacin-a vitamin of B complex group causes the disease \_\_\_\_\_  
 (a) Marasmus (b) Pellagra  
 (c) Rickets (d) Night-blindness
187. A local bloom results from -



- (a) Global warming (b) Salination  
(c) Eutrophication (d) Biomagnification
188. Which is the largest gland in human body?  
(a) Liver (b) Thyroid  
(c) Pituitary (d) Salivary gland
189. Which organ of human body secretes Insulin?  
(a) Pancreas (b) Kidney  
(c) Gall bladder (d) Liver
190. Which of the following is an emergency hormone in humans?  
(a) Thyroxine (b) Insulin  
(c) Adrenaline (d) Progesterone
191. Webbed neck is a characteristic of  
(a) Down's syndrome  
(b) Turner's syndrome  
(c) Klinefelter's syndrome  
(d) Cri-du-chat syndrome
192. Leptospirosis is a disease caused by  
(a) Virus (b) Fungus  
(c) Protozoa (d) None
193. Hepatitis affects which organ of the human body?  
(a) Liver (b) Pancreas  
(c) Spleen (d) Small intestine
194. Cod liver oil from fish is rich in which vitamin?  
(a) Vitamin C (b) Vitamin D  
(c) Vitamin C (d) Vitamin B
195. Yeast is a \_\_\_\_\_.  
(a) Bacteria (b) Fungi  
(c) Algae (d) Bryophyte
196. Which of the following is not connective tissue?  
(a) Bone (b) Cartilage  
(c) Blood (d) Skeletal muscle
197. Lichen is an association between which of the two?  
(a) Algae and fungus  
(b) Algae and tree  
(c) Fungus and tree  
(d) Bacteria and legume plant
198. What is a Pepper plant?  
(a) Bush (b) Shrub  
(c) Vine (d) Tree
199. Which one of the following substances is normally found in urine?  
(a) Blood proteins (b) Creatinine  
(c) Red blood cells (d) White blood cells
200. The thymus gland produces a hormone called -  
(a) Thyroxine (b) Thymosin  
(c) Thyronine (d) Calcitonin
201. Blood group AB has -  
(a) No antigen  
(b) No antibody  
(c) Neither antigen nor antibody  
(d) Both antigen and antibody
202. Which Vitamins are those, if taken in excess can be dangerous as they are stored in the body?  
(a) B Complex (b) E and C  
(c) B and C (d) A and D
203. Ornithophily is effected by  
(a) snails (b) bats  
(c) insects (d) birds
204. Which of the following vitamins help in the absorption of calcium?  
(a) Vitamin A (b) Vitamin D  
(c) Vitamin B1 (d) Vitamin B2
205. Which of the following vitamins contain nitrogen?  
(a) Vitamin A (b) Vitamin B  
(c) Vitamin C (d) Vitamin D
206. Science dealing with study of soil is called  
(a) Pedology (b) Pedagogy  
(c) Ecology (d) Pomology
207. If waste materials contaminate the source of drinking water, which of the following diseases will spread?  
(a) Scurvy (b) Typhoid  
(c) Malaria (d) Anaemia
208. Symbiotic Bacteria responsible for the fixation of atmospheric nitrogen are present in -  
(a) Peas (b) Wheat  
(c) Corn (d) Oats
209. Children especially in western countries who receive very little sunshine suffer from -  
(a) Rickets (b) Dermatitis  
(c) Scurvy (d) Beri-Beri
210. Nitrogen fixation is a process of  
(a) Assimilation of nitrate  
(b) Utilisation of nitrogen gas  
(c) Conversion of organic nitrogen to proteins  
(d) Conversion of molecular nitrogen to ammonia
211. A genetically engineered form of brinjal known as the BT-brinjal has been developed. The objective of this is -  
(a) to make it pest resistant  
(b) to improve its taste and nutritive value  
(c) to make it drought resistant  
(d) to make its shelf life longer
212. Charles Darwin, the famous evolutionist, proposed his theory in which one of his books?  
(a) The Families of flowering plant  
(b) The Origin of species  
(c) The Life on earth  
(d) The Story of the living world
213. 'Green Banking' means :



- (a) Banks financing agriculture  
 (b) Banks financing irrigation projects  
 (c) Banks financing farmers  
 (d) Banks financing pro-environmental projects
214. Which enzyme is present in all members of the animal kingdom except Protozoa?  
 (a) Insulin (b) Pepsin  
 (c) Renin (d) Amylase
215. Companion cells are unique to?  
 (a) Bryophytes (b) Pteridophytes  
 (c) Angiosperms (d) Gymnosperms
216. Lacrymal glands are situated in the?  
 (a) Palms (b) Buccal cavity  
 (c) Eye orbit (d) Stomach
217. Which mosquito is the carrier of Zika virus?  
 (a) Culex (b) Aedes  
 (c) Anopheles (d) Culiseta
218. The blotting technique used to identify the isolated protein is \_\_\_\_\_  
 (a) Northern blotting (b) Western blotting  
 (c) Southern blotting (d) Cloning
219. Morphology of Chromosomes can be best studied at \_\_\_\_\_  
 (a) Interphase (b) Prophase  
 (c) Metaphase (d) Zygotene
220. Which of these process involves burning of food?  
 (a) Digestion (b) Breathing  
 (c) Respiration (d) Excretion
221. Which of these protein supplements is used as ATP or energy binder?  
 (a) Creatine (b) Steroid  
 (c) Glucose (d) None of these
222. Which of the following is known as power house of Cell ?  
 (a) Golgi Body (b) Mitochondria  
 (c) Nucleus (d) Reticulum
223. The hormone that stimulates heart beat is  
 (a) thyroxine (b) Gastrin  
 (c) Glycogen (d) Dopamine
224. The study of relation of animals and plants to their surroundings is called \_\_\_\_\_  
 (a) Ecology (b) Ethrology  
 (c) Genealogy (d) Iconology
225. At which stage in its life cycle does the silkworm yield the fiber of commercial use  
 (a) Larva (b) Egg  
 (c) Pupa (d) Imago
226. Sphygmomanometer measures the blood pressure in the  
 (a) Veins (b) Arteries  
 (c) Eyes (d) Synovial
227. The sigmoid colon is a part of  
 (a) Small Intestine (b) Large Intestine  
 (c) Pharynx (d) Rectum
228. The connective tissue that connects a muscle to a bone is  
 (a) Cartilage (b) Ligament  
 (c) Tendon (d) Interstitial fluid
229. Blood group was discovered by  
 (a) Alexander Fleming (b) William Harvey  
 (c) Landsteiner (d) Paulov
230. The antibiotic penicillin is obtained from which of the following?  
 (a) synthetic process (b) a bacterium  
 (c) fungus (d) virus infected cells
231. DPT vaccine is categorized as which of the following?  
 (a) Anti viral vaccine  
 (b) Anti protozoan vaccine  
 (c) Anti rickettsial vaccine  
 (d) A combined vaccine
232. 'Mission Indradhanush' Campaign in India is associated with?  
 (a) Nutrition to Pregnant Women  
 (b) Awareness of Diabetes  
 (c) Eradication of blindness  
 (d) Vaccination of children
233. Which cell disorder in our body is responsible for colour blindness?  
 (a) WBC (b) Cone cell  
 (c) Rod Cell (d) Neuron
234. Blood is red in colour due to the presence of \_\_\_\_\_.  
 (a) Cytochrome (b) Chlorophyll  
 (c) Hemocyanin (d) Haemoglobin
235. Which one of the following events in a botanical garden is never directly influenced by light?  
 (a) Flowering (b) Photosynthesis  
 (c) Transpiration (d) Fertilization
236. Which of the following is a fish?  
 (a) Jelly fish (b) Lobster  
 (c) Salmon (d) Whale
237. Which is used as an Air pollution indicator?  
 (a) Algae (b) Fungi  
 (c) Bacteria (d) Lichens
238. The study of mountains is known as -  
 (a) Oncology (b) Lithology  
 (c) Orology (d) Ornithology
239. An example of hormone is -  
 (a) Cytosine (b) Renin  
 (c) Oxytocin (d) Peprin
240. To reduce tooth decay most toothpastes contain a -



- (a) Bromide (b) Fluoride  
(c) Iodide (d) Chloride
241. The part of brain which controls emotional reactions in our body is -  
(a) Hypothalamus (b) Cerebrum  
(c) Meninges (d) Thalamus
242. An organism that transmits disease from one individual to another is called -  
(a) Hybrid (b) Fragment  
(c) Vector (d) Clone
243. Which endocrine gland is found in chest cavity?  
(a) Pineal gland (b) Thymus gland  
(c) Adrenal gland (d) Thyroid gland
244. Blue Revolution is related to:  
(a) Space research (b) Poultry  
(c) Drinking water (d) Fisheries
245. BOD stands for:  
(a) Biological oxidation demand  
(b) Biological oxygen decomposition  
(c) Biochemical oxygen demand  
(d) Biotic oxidation demand
246. Minamata disease is caused by pollution of water by:  
(a) Lead (b) Tin  
(c) Methyl Isocyanate (d) Mercury
247. Amino acids are required for the synthesis of:  
(a) Alkaloids (b) Lipids  
(c) Proteins (d) Carbohydrates
248. Transpiration increases in:  
(a) Hot, dry and windy condition  
(b) Hot, damp and windy condition  
(c) Cool, damp and windy condition  
(d) Cool, dry and still condition
249. What is the Kyoto Protocol?  
(a) It is an agreement among countries to take steps for reducing acid rain  
(b) It is an agreement among countries to take steps for planting trees to control pollution  
(c) It is an agreement among countries to start using nuclear energy  
(d) It is an agreement among countries to take steps for reducing green house gases emission
250. The longest bone in the human body is -  
(a) Ulna (b) Humerus  
(c) Femur (d) Tibia
251. An instrument for measuring blood pressure is called -  
(a) Barometer (b) Spirometer  
(c) Sphygmomanometer (d) Haemocytometer
252. The vitamin most readily destroyed by heat is -  
(a) Riboflavin (b) Ascorbic acid  
(c) Tocopherol (d) Thiamine
253. Rickets is the deficiency disease of vitamin-D, in which the affected part is the -  
(a) Skin (b) Hair  
(c) Bone (d) Blood
254. People with Down's syndrome invariably affected by:  
(a) Huntington's disease  
(b) Alzheimer's disease  
(c) Meningitis  
(d) Brain haemorrhage
255. Normal blood pressure reading of an adult human:  
(a) 80/140 mm Hg (b) 120/80 mm Hg  
(c) 130/90 mm Hg (d) 160/95 mm Hg
256. 'Red Data Book' provides an account of  
(a) Endangered plants only  
(b) Fossil plants  
(c) Endangered plants and animals  
(d) Extinct animals only
257. Which one of the following is an autotroph?  
(a) Butterfly (b) Algae  
(c) Grasshopper (d) Mushroom
258. In B.C.G. Vaccine the word 'C' stands for:  
(a) Calmette (b) Cough  
(c) Chlorine (d) Cadmium
259. Point out the incorrect pair:  
(a) Green Revolution-Agricultural Development  
(b) White Revolution - Dairy Development  
(c) Blue Revolution - Development of Fisheries  
(d) Operation Flood - Irrigation Development
260. Which one of the following chemicals is associated with muscle fatigue?  
(a) Uric acid (b) Acetic acid  
(c) Pyruvic acid (d) Lactic acid
261. Oxyntic cell is meant for the secretion of -  
(a) Pepsin (b) Enterokinase  
(c) Hydrochloric acid (d) Lactic acid
262. Microbial degradation of nitrates into atmospheric nitrogen is known as:  
(a) Ammonification (b) Nitrification  
(c) Denitrification (d) Putrefaction
263. Which among the following is the sweetest sugar?  
(a) lacrosse (b) fructose  
(c) maltos (d) glucose
264. Photoperiodism affects -  
(a) Flowering (b) Vegetative growth  
(c) Fruiting (d) All of these
265. Animal protein is called first class protein because it is -  
(a) easily digestible  
(b) delicious in taste



- (c) cheaper in the market  
(d) rich in essential amino acids
266. Which of the following fuels causes minimum environmental pollution?  
(a) Kerosene (b) Diesel  
(c) Coal (d) Hydrogen
267. Enzymes are -  
(a) Proteins (b) Minerals  
(c) Oils (d) Fatty acids
268. Which one of the following is NOT a function of kidney?  
(a) Regulation of blood pH  
(b) Removal of metabolic wastes from the body  
(c) Production of antibodies  
(d) Regulation of osmotic pressures of the blood
269. Wheat is a \_\_\_\_\_.  
(a) Creeper (b) Herb  
(c) Shrub (d) Tree
270. Snakes, turtle, lizards and crocodiles falls under which category of animals?  
(a) Pisces (b) Amphibian  
(c) Reptilian (d) Aves
271. With which of the following body organ is 'pace-maker' associated?  
(a) Liver (b) Brain  
(c) Heart (d) Lungs
272. Haemoglobin is an important component of \_\_\_\_\_.  
(a) white blood cells  
(b) red blood cells  
(c) plasma  
(d) All options are correct
273. Anaemia is caused because of deficiency of which of the following?  
(a) Cobalt (b) Iron  
(c) Sodium (d) Calcium
274. The scientific name of human being is?  
(a) Homo Nigrum (b) Melongena Sapiens  
(c) Homo Sapiens (d) Tigris Solanum
275. In a majority of flowering plants, out of the four megaspores, what is the ratio of functional and degenerate megaspores?  
(a) 2:2 (b) 1:3  
(c) 3:1 (d) 4:0
276. The body of all complex animals consist of only \_\_\_\_\_ basic types of tissue(s).  
(a) 4000 (b) 400  
(c) 40 (d) 4
277. Which is the longest bone in human body?  
(a) febula (b) Tibia  
(c) Stapes (d) Femur
278. Opposite the micropylar end, is the \_\_\_\_\_, representing the basal part of the ovule.  
(a) hilum (b) funicle  
(c) chalaza (d) nucellus
279. In unicellular organisms, all functions like digestion, respiration and reproduction are performed by a how many cell(s)?  
(a) 1 (b) 2  
(c) 3 (d) 4
280. Which of the following disease is caused by female Anopheles mosquito?  
(a) Chicken Pox (b) Malaria  
(c) Black Fever (d) Cholera
281. Which part of the plant gives us saffron?  
(a) Roots (b) Petals  
(c) Stem (d) Stigma
282. Consider the following plant hormones:  
1. Gibberellins-Seed germination  
2. Auxins-Apical dominance  
3. Cytokinins-Climacteric ripening of fruits  
Which among the above is/are correctly paired with their respective functions in plant physiology?  
(a) Only 1 (b) 1 and 2  
(c) 2 and 3 (d) 1, 2 and 3
283. Which among the following has segmented body?  
(a) Phylum Mollusca (b) Phylum Arthropoda  
(c) Phylum Annelida (d) Phylum Coelenterata
284. Synapse gap is present between which of the following?  
(a) Two neurons  
(b) Brain and Spinal Cord  
(c) Two Kidneys  
(d) None of these
285. Which organ has finger like outgrowths which are called as Villi (Singular Villus)?  
(a) Large Intestine (b) Bladder  
(c) Small Intestine (d) Stomach
286. Cattle quickly swallow grass and store it in their \_\_\_\_\_.  
(a) Rumen (b) Oesophagus  
(c) Small intestine (d) Salivary glands
287. Which of the following carries oxygen to various parts of human body?  
(a) Red blood cells (b) White blood cells  
(c) Plasma (d) Nerves
288. Which of the following function is performed by the kidneys in the human body?  
(a) Excretion (b) Respiration



- (c) Digestion (d) Transportation
289. Who discovered bacteria?  
 (a) Antonie Van Leeuwenhoek  
 (b) Robert Brown  
 (c) Robert Hook  
 (d) Robert Koch
290. What is the name of a group of similar cells performing a specific function?  
 (a) Tissue  
 (b) Organ  
 (c) Organ system  
 (d) Cellular organization
291. Plant tissues are of how many types?  
 (a) 3 (b) 2  
 (c) 5 (d) 6
292. Red rot is a disease caused to which of the following plant?  
 (a) Paddy (b) Sugarcane  
 (c) Mustard (d) Wheat
293. Which among the following is not a connective tissue?  
 (a) Blood (b) Bone  
 (c) Skin (d) Cartilage
294. Which of the following micro-organism causes diseases like polio and chicken pox?  
 (a) Bacteria (b) Protozoa  
 (c) Algae (d) Virus
295. Which of the following is not a plant hormone?  
 (a) Gibberellic (b) Auxins  
 (c) Cytokinins (d) Thyroxin
296. Nephron is related to which of the following system of human body?  
 (a) Circulatory system  
 (b) Excretory system  
 (c) Reproductive system (d) Respiratory system
297. Which Vitamin is obtained from Sun rays?  
 (a) Vitamin A (b) Vitamin C  
 (c) Vitamin K (d) Vitamin D
298. What is the name of the hormone produced by thymus gland?  
 (a) Thyroxine (b) Auxins  
 (c) Cytokinins (d) Thymosin
299. Photosynthesis takes place in the presence of chlorophyll and \_\_\_\_\_.  
 (a) Water (b) Nutrients  
 (c) Carbon-dioxide (d) Sunlight
300. Which blood group is universal acceptor?  
 (a) O<sup>+</sup> (b) O<sup>-</sup>  
 (c) A<sup>-</sup> (d) AB<sup>+</sup>
301. Cinnamon is obtained from which part of the plant?  
 (a) Stem (b) Bark  
 (c) Roots (d) Fruits
302. Insulin is a kind of \_\_\_\_\_.  
 (a) Hormone (b) Protein  
 (c) Enzyme (d) Vitamin
303. Which among the following carries impure blood to human heart?  
 (a) Aorta (b) Pulmonary vein  
 (c) Pulmonary arteries (d) Vena Cava
304. UV rays coming from Sun, majorly causes which cancer?  
 (a) Lungs cancer (b) Liver cancer  
 (c) Mouth cancer (d) Skin cancer
305. Which of the following is the largest mammal?  
 (a) Whale (b) Rhinoceros  
 (c) Elephant (d) Human
306. What is the full form of RNA?  
 (a) Ribo Nucleic Acid  
 (b) Ribo Nitric Acid  
 (c) Ribo Nutrient Acid  
 (d) Reverse Nucleic Acid
307. Which of the following are longest cells of human body?  
 (a) Pancreatic cells (b) Epithelial cells  
 (c) Nerve cells (d) Epidermal cells
308. Which of the following is responsible for giving colour to human skin?  
 (a) Luciferin (b) Haemoglobin  
 (c) Flavonoids (d) Melanin
309. Which of the following disease is non-communicable in nature?  
 (a) Cholera (b) Chicken-pox  
 (c) Tuberculosis (d) Cancer
310. Which among the following does not have a cell wall?  
 (a) Euglena (b) Paramecium  
 (c) Gonyaulax (d) Mycoplasma
311. Which among the following is also called as 'power house of the cell'?  
 (a) Plastids (b) Mitochondria  
 (c) Golgi bodies (d) Cell wall
312. What is the role of Pneumatophores?  
 (a) Protect plant from animals  
 (b) Get oxygen for respiration  
 (c) Supports plant in standing upright  
 (d) Helps plant for pollination
313. Pancreas' functions as an:  
 1. Endocrine gland  
 2. Exocrine gland  
 (a) Only 1 (b) Only 2  
 (c) Both 1 and 2 (d) Neither 1 nor 2
314. Which component in tobacco makes it harmful for human consumption?



- (a) Morphine (b) Nicotine  
(c) Heroin (d) None of these
315. What is full form of BOD?  
(a) Biological Oxygen Deficit  
(b) Biological Oxygen Difference  
(c) Biological Oxygen Demand  
(d) Biological Oxygen Distribution
316. Alveoli are related to which of the following system of human body?  
(a) Circulatory system (b) Excretory system  
(c) Reproductive system (d) Respiratory system
317. Which of the following bacteria is responsible for the formation of curd?  
(a) Lycopodium (b) Yeast  
(c) Lacto-bacillus (d) Fungus
318. How many pairs of ribs are there in human body?  
(a) 13 (b) 11  
(c) 12 (d) 14
319. How does a Unicellular Organism reproduce?  
(a) Cell division (b) Cell reproduction  
(c) Cell synthesis (d) Fragmentation
320. What is the full form of DNA?  
(a) Diribo nucleic acid  
(b) Di nucleic acid  
(c) Dual nitrogen acid  
(d) Deoxyribonucleic acid
321. Which among the following is/are female hormones?  
(i) Estrogen  
(ii) Progesterone  
(iii) Testosterone  
(a) (i) and (iii) (b) (i) and (ii)  
(c) (ii) and (iii) (d) Only (iii)
322. Night Blindness is caused by deficiency of which of the following Vitamin?  
(a) Vitamin B (b) Vitamin C  
(c) Vitamin K (d) Vitamin A
323. The right portion of human heart receives \_\_\_\_\_ blood.  
(a) pure (b) impure  
(c) mixed (d) None of these
324. Which of the following is the largest gland in human body?  
(a) Thyroid (b) Liver  
(c) Kidney (d) Pancreas
325. In which of the following part of the cell does the pyruvic acid is broken down into carbon dioxide, water and energy?  
(a) Cytoplasm (b) Nucleus  
(c) Mitochondria (d) Chloroplast
326. What is plant cell wall mainly composed of?  
(a) Lipids (b) Vitamin  
(c) Cellulose (d) Protein
327. What is the SI unit of Power?  
(a) Boyle (b) Watt  
(c) Newton (d) Pascal
328. Which blood group is universal donor?  
(a) O<sup>+</sup> (b) O<sup>-</sup>  
(c) AB<sup>-</sup> (d) AB<sup>+</sup>
329. Potato, tomato and brinjal are three different species but all belong to which genus?  
(a) Solanum (b) Panthera  
(c) Felis (d) Tigris
330. The first formed primary xylem elements are called \_\_\_\_\_.  
(a) Metaxylem (b) Protoxylem  
(c) Xylem fibres (d) Xylem parenchyma
331. Nereis, Pheretima (Earthworm) and Hirudinaria (blood sucking leech) are examples of which Phylum?  
(a) Coelenterata (b) Aschelminthes  
(c) Annelida (d) Arthropoda
332. In the names Mangifera indica (mango), Solanum tuberosum (potato) and Panthera leo (lion), what does the three names, indica, tuberosum and leo, represent?  
(a) Binomial Nomenclature  
(b) Taxonomic Hierarchy  
(c) Identification  
(d) Specific Epithet
333. \_\_\_\_\_ are chlorophyll-bearing, simple, thalloid, autotrophic and largely aquatic (both fresh water and marine) organisms.  
(a) Pteridophytes (b) Bryophytes  
(c) Algae (d) Gymnosperms
334. Animals like annelids and arthropods etc where the body can be divided into identical left and right halves in only one plane, exhibit \_\_\_\_\_ symmetry.  
(a) Coelenterata (b) Radial  
(c) Ctenophora (d) Bilateral
335. RBCs are formed in the \_\_\_\_\_ in the adults.  
(a) Blue bone marrow (b) Red bone marrow  
(c) White bone marrow (d) Black bone marrow
336. The later (second) formed primary xylem elements are called \_\_\_\_\_.  
(a) Protoxylem (b) Metaxylem  
(c) Xylem parenchyma (d) Xylem fibres



337. Which of the following does not hold true for Animal belonging to Phylum Chordate?  
 (a) Notochord present  
 (b) Pharynx perforated by gill slits.  
 (c) Heart is dorsal(if present)  
 (d) A post-anal part(tail) is present
338. Other name of Platelets is?  
 (a) Leucocytes (b) Erythrocytes  
 (c) Lymphocytes (d) Thrombocytes
339. In stems, the protoxylem lies towards the centre and the metaxylem lies towards the periphery of the organ. This type of primary xylem is called \_\_\_\_\_.  
 (a) Xylem fibres (b) Xylem parenchyma  
 (c) Exarch (d) Endarch
340. Lion, Leopard and Tiger are all species of which genus?  
 (a) Solanum (b) Panthera  
 (c) Felis (d) Tigris
341. \_\_\_\_\_ are made up of sclerenchymatous cells. These are generally absent in the primary phloem but are found in the secondary phloem.  
 (a) Xylem fibres (b) Xylem parenchyma  
 (c) Phloem parenchyma (d) Phloem fibres
342. What type of a body plan does coelenterates, ctenophores and echinoderms have?  
 (a) Annelida (b) Radial  
 (c) Bilateral (d) Platyhelminthes
343. In the names *Mangifera indica* (mango), *Solanum tuberosum* (potato) and *Panthera leo* (lion), the terms *Mangifera*, *Solanum* and *Panthera* represent the higher level of?  
 (a) Taxon  
 (b) Taxonomic Hierarchy  
 (c) Specific Epithet  
 (d) Binomial Nomenclature
344. Which of the following is one of the commercial products obtained from *Gelidium* and *Gracilaria* and are used to grow microbes and in preparations of ice-creams and jellies?  
 (a) Agar (b) Chlorella  
 (c) Spirullina (d) Gymnosperms
345. *Taenia* (Tapeworm), *Fasciola* (Liver fluke) are examples of which Phylum?  
 (a) Coelenterata (b) Platyhelminthes  
 (c) Annelida (d) Arthropoda
346. The male sex accessory ducts include vasa efferentia, epididymis, vas deferens and \_\_\_\_\_.  
 (a) Cervix  
 (b) Rete Testis  
 (c) Glands  
 (d) Seminiferous Tubules
347. The meristem which occurs between mature tissues is known as \_\_\_\_\_ meristem.  
 (a) Intercalary (b) Primary  
 (c) Lateral (d) Apical
348. Which of the following Phylum are also called flatworms?  
 (a) Mollusca (b) Chordata  
 (c) Ctenophora (d) Platyhelminthes
349. Order Primata comprising monkey, gorilla and gibbon is placed in class Mammalia along with order Carnivora that includes?  
 (a) Giraffe, Camels and Elephants  
 (b) Crocodile, Lizard and Snake  
 (c) Lion, Leopard and Tiger  
 (d) Tiger, Cats and Dogs
350. In roots, the protoxylem lies towards periphery and metaxylem lies towards the centre. Such arrangement of primary xylem is called \_\_\_\_\_.  
 (a) Xylem fibres (b) Xylem parenchyma  
 (c) Exarch (d) Endarch
351. Which is the only one example of Mollusca Phylum?  
 (a) Locust (b) Butterfly  
 (c) Scorpion (d) Octopus
352. In male reproductive system, the testes are situated outside the abdominal cavity within a pouch called \_\_\_\_\_.  
 (a) Glands  
 (b) Scrotum  
 (c) Testicular Lobules  
 (d) Seminiferous Tubules
353. Which of the following is not among the 3 main classes of Algae?  
 (a) Chlorophyceae (b) Rhodophyceae  
 (c) Phaeophyceae (d) Gymnosperms
354. *Sycon* (Scypha), *Spongilla* (Fresh water sponge) and *Euspongia* (Bath sponge) are examples of which Phylum?  
 (a) Coelenterata (b) Platyhelminthes  
 (c) Ctenophora (d) Porifera
355. A multicellular organism grows by \_\_\_\_\_.  
 (a) Cell addition (b) Cell explosion  
 (c) Cell implosion (d) Cell division
356. The male sex organ in a flower is the \_\_\_\_\_.  
 (a) Zoospores (b) Stamen  
 (c) Pistil (d) Chlorophyceae



357. In animals like Annelids, Molluscs, organs have associated to form functional systems, each system concerned with a specific physiological function. This pattern is called \_\_\_\_\_ system level of organization.  
 (a) Organ (b) Open  
 (c) Closed (d) Coelom
358. A healthy adult man has, on an average, \_\_\_\_\_ (in millions) of RBCs mm<sup>3</sup> of blood.  
 (a) 5 - 5.5 (b) 4 - 4.5  
 (c) 3 - 3.5 (d) 6 - 6.5
359. The female sex organ in a flower is the \_\_\_\_\_.  
 (a) Zoospores (b) Stamen  
 (c) Pistil (d) Chlorophyceae
360. Animals in which the cells are arranged in two embryonic layers are called \_\_\_\_\_.  
 (a) Diploblastic (b) Extoderm  
 (c) Triploblastic (d) Endoderm
361. \_\_\_\_\_ being a higher category, is the assemblage of families which exhibit a few similar characters.  
 (a) Order (b) Species  
 (c) Genus (d) Class
362. Sexual reproduction in Algae that takes place through fusion of two dissimilar size gametes is called?  
 (a) Zoospores (b) Anisogamous  
 (c) Isogamous (d) Oogamous
363. The animals in which the body cavity is absent are known as \_\_\_\_\_.  
 (a) Coelomates (b) Wild  
 (c) Pseudocoelomates (d) Acoelomates
364. Biological names are generally derived from which language?  
 (a) French (b) Latin  
 (c) Mexican (d) German
365. The members of rhodophyceae are commonly called \_\_\_\_\_ algae.  
 (a) Green (b) Brown  
 (c) Red (d) Yellow
366. Aurelia (Medusa) and Adamsia (Polyp) are examples of which Phylum?  
 (a) Ctenophora (b) Annelida  
 (c) Coelenterata (d) Aschelminthes
367. Based on the common features like presence of notochord and dorsal hollow neural system, animals like fishes, amphibians, reptiles, birds along with mammals are included in which Phylum?  
 (a) Mammalia (b) Chordata  
 (c) Primata (d) Insecta
368. The members of Phaeophyceae are commonly called \_\_\_\_\_ algae.  
 (a) Green (b) Brown  
 (c) Red (d) Yellow
369. Asterias (Star fish), Echinus (Sea urchin), Antedon (Sea Lily) are all examples of which Phylum?  
 (a) Echinodermata (b) Annelida  
 (c) Platyhelminthes (d) Arthropoda
370. \_\_\_\_\_ is a straw coloured, viscous fluid constituting nearly 55 per cent of the blood.  
 (a) Plasma  
 (b) Formed Elements  
 (c) Blood Groups  
 (d) Coagulation of Blood
371. Sexual reproduction in Algae that takes place through fusion of two similar size gametes is called?  
 (a) Zoospores (b) Anisogamous  
 (c) Isogamous (d) Oogamous
372. Animals in which the cells are arranged in three embryonic layers are called \_\_\_\_\_.  
 (a) Diploblastic (b) Ectoderm  
 (c) Triploblastic (d) Endoderm
373. In females, the ovaries are located \_\_\_\_\_ on each side of the lower abdomen.  
 (a) One (b) Two  
 (c) Three (d) Four
374. Through photosynthesis at least a half of the total carbon dioxide fixation on earth is carried out by?  
 (a) Pteridophytes (b) Bryophytes  
 (c) Algae (d) Gymnosperms
375. Locust, Butterfly, Scorpion and Prawn are all examples of which Phylum?  
 (a) Annelida (b) Chordata  
 (c) Arthropoda (d) Platyhelminthes
376. Among plants, three different genera Solanum, Petunia and Datura are placed in which family?  
 (a) Cancidae (b) Solanaceae  
 (c) Felis (d) Felidae
377. The members of chlorophyceae are commonly called \_\_\_\_\_ algae.  
 (a) Green (b) Brown  
 (c) Red (d) Yellow
378. The body cavity which is lined by mesoderm is called \_\_\_\_\_.  
 (a) Coelom (b) Chordata  
 (c) Arthropoda (d) Platyhelminthes
379. In females, the uterus is \_\_\_\_\_.  
 (a) Single (b) Double  
 (c) Triple (d) Four



380. Which of the following is not correct?  
 (a) Members of Chlorophyceae are commonly called green algae  
 (b) Members of Phaeophyceae are commonly called red algae  
 (c) Members of Rhodophyceae are commonly called red algae  
 (d) Members of Phaeophyceae are commonly called brown algae
381. Adamsia(Sea anemone) and Pennatula(Sea-pen) are examples of which Phylum?  
 (a) Coelenterata (b) Aschelminthes  
 (c) Annelida (d) Arthropoda
382. Which one of the following is NOT a function of kidney?  
 (a) Regulation of blood pH  
 (b) Removal of metabolic wastes from the body  
 (c) Production of antibodies  
 (d) Regulation of osmotic pressures of the blood
383. In which part of the eye lies the pigment that decides the colour of the eyes of a person?  
 (a) Cornea (b) Choroid  
 (c) Iris (d) Vitreous body
384. The presence of what distinguishes a plant cell from an animal cell?  
 (a) Chloroplasts (b) Protoplasm  
 (c) Cell membrane (d) Nucleus
385. Edward Jenner is associated with -  
 (a) Cholera (b) Typhoid  
 (c) Small Pox (d) Paralysis
386. On the average, what percentage of human body has the element of oxygen?  
 (a) 65 (b) 25  
 (c) 10 (d) 5
387. BCG vaccination is to be given to a new-born child -  
 (a) immediately after birth  
 (b) within 48 hours  
 (c) within seven days  
 (d) within six months
388. Glaucoma is a disease of the -  
 (a) Skin (b) Lungs  
 (c) Liver (d) Eyes
389. The metal present in insulin is -  
 (a) Copper (b) Iron  
 (c) Zinc (d) Magnesium
390. Roundworm is a human parasite found in the -  
 (a) Small intestine (b) Liver  
 (c) Stomach (d) Kidney
391. Locked jaw disorder is the other name of the disease -  
 (a) Tetanus (b) Muscular disorder  
 (c) Typhoid (d) Filariasis
392. Which of the following is known as a body builder?  
 (a) Protein (b) Carbohydrates  
 (c) Vitamins (d) Fats
393. Thalassaemia is a hereditary disease. It affects -  
 (a) Blood (b) Spleen  
 (c) Lungs (d) Heart
394. A blood vessel that carries blood away from the heart is called -  
 (a) A vein (b) An artery  
 (c) A capillary (d) Nerve
395. Which of the following is effective against tuberculosis?  
 (a) Penicillin (b) Chloromycetin  
 (c) Terramycin (d) Streptomycin
396. Founder of Homeopathy is -  
 (a) Samuel Hahnemann  
 (b) Hippocrates  
 (c) Charaka  
 (d) Sushruta
397. Five Kingdom classification was given by  
 (a) Whittaker (b) Haeckel  
 (c) Linnaeus (d) Copeland
398. Branch of biology deals with extinct organisms  
 (a) Palynology (b) Phylogeny  
 (c) Palaeontology (d) Palaeobotany
399. The vitamin which is generally excreted by humans in urine is  
 (a) Vitamin A (b) Vitamin D  
 (c) Vitamin C (d) Vitamin E
400. A large blood vessel that carries blood away from the heart is called -  
 (a) Vein (b) Artery  
 (c) Capillary (d) Nerve
401. Plants which grow on saline soils are  
 (a) Xerophytes (b) Hydrophytes  
 (c) Halophytes (d) Succulents
402. Animals living on the tree trunks are known as -  
 (a) Arboreal (b) Volant  
 (c) Amphibious (d) Aquatic
403. Tuberculosis is caused by a  
 (a) Bacterium (b) Virus  
 (c) Fungus (d) Protozoa
404. Azadirachata indica is the scientific name of  
 (a) Neem (b) Teak  
 (c) Silver Oak (d) Tulsi
405. Octopus belongs to the phylum  
 (a) Mollusca (b) Cnidaria  
 (c) Echinodermata (d) Chordata
406. Scurvy (bleeding of gums) is caused by deficiency of which vitamin?



- (a) Vitamin K (b) Vitamin B2  
(c) Vitamin C (d) Vitamin A
407. *Achras sapote* is the scientific name of  
(a) Custard Apple (b) Gulmohar  
(c) Tamarind (d) Chiku
408. Prawn belongs to the phylum  
(a) Arthropoda (b) Cnidaria  
(c) Echinodermata (d) Chordata
409. Ringworm is a disease caused by  
(a) Fungi (b) Bacteria  
(c) Virus (d) Flies
410. *Mangifera indica* is the scientific name of  
(a) Guava (b) Mango  
(c) Amla (d) Jack fruit
411. The process through which excess of light energy is dissipated in photosynthesis is known as -  
(a) Scavenging  
(b) Photolysis  
(c) Photophosphorylation  
(d) Non photochemical quenching
412. Excess amount of absorbed water by plants is liberated out by -  
(a) Evaporation (b) Osmosis  
(c) Diffusion (d) Transpiration
413. Which of the following pairs is not correctly matched?  
(a) Vitamin B6 : Pyridoxine  
(b) Vitamin C : Ascorbic acid  
(c) Vitamin E : Alpha tocopherol  
(d) Vitamin D : Sunshine
414. The enzyme that is present in the saliva of man is -  
(a) Pepsin (b) Renin  
(c) Amylase (d) Trypsin
415. Estrogen and progesterone control and stimulate the growth of -  
(a) Pituitary gland (b) Thyroid gland  
(c) Mammary gland (d) Supra renal gland
416. The membrane covering the lungs is a -  
(a) Pleura (b) Pericardium  
(c) Peritoneum (d) Mesothelium
417. An adult human normally has -  
(a) 6 molar teeth (b) 8 molar teeth  
(c) 10 molar teeth (d) 12 molar teeth
418. Plants get water through the roots because of -  
(a) Elasticity (b) Capillarity  
(c) Viscosity (d) Photosynthesis
419. Which of the following cells secrete insulin?  
(a) Alpha cells (b) Delta cells  
(c) Nerve cells (d) Beta cells
420. When the left ventricle in the human heart contracts, the blood moves to the -  
(a) Brain (b) Pulmonary artery  
(c) Aorta (d) Lungs
421. Glaucoma is a disease of the -  
(a) Skin (b) Lungs  
(c) Liver (d) Eyes
422. Haemoglobin contains the metal -  
(a) Copper (b) Molybdenum  
(c) Iron (d) Magnesium
423. The life span of RBC of man is -  
(a) 120 days (b) 150 days  
(c) 180 days (d) 190 days
424. Cellulose is the chief constituent of -  
(a) Cell wall  
(b) Cell membrane  
(c) Secondary wall of xylem  
(d) Body wall of insects
425. The largest cell in the human body is -  
(a) Ovum (b) Muscle cell  
(c) Liver cell (d) Kidney cell
426. The smallest known prokaryotic organism is -  
(a) Microcystis (b) Mycoplasma  
(c) Bacteria (d) Chlorella
427. The basic structural and functional unit of living organisms is -  
(a) Cell (b) Tissue  
(c) Organ (d) Systems
428. Colour of urine is of light yellow colour due to the presence of -  
(a) Urobilin (b) Creatine  
(c) Alleles (d) Ammonia
429. Types of vertebrate animals which creep and crawl are called -  
(a) Mammalians (b) Amphibians  
(c) Molluscs (d) Reptilians
430. Scientific study of birds is known as -  
(a) Limnology (b) Herpetology  
(c) Malacology (d) Ornithology
431. In a human body, the longest bone is in the -  
(a) Vertebral column (b) Thigh  
(c) Rib cage (d) Arm
432. Plants which flower only once in, their life time are known as -  
(a) Polycarpic (b) Monocarpic  
(c) Monogamous (d) Monogeneric
433. The secretion of droplets on the leaves of plants from the pores of plants is called -  
(a) Guttation  
(b) Photolysis  
(c) Photophosphorylation



- (d) Quenching
434. The function of trypsin in the digestive system is to -  
 (a) Breakdown fats (b) Synthesise proteins  
 (c) Breakdown proteins (d) Breakdown carbohydrates
435. Which of the following is the hardest substance in the human body?  
 (a) Bone (b) Enamel  
 (c) Dentine (d) Nail
436. The blood vessel supplying blood to the kidney is the -  
 (a) Renal artery (b) Hepatic artery  
 (c) Pulmonary artery (d) Carotid artery
437. The human heart is enclosed in the membrane -  
 (a) Pericardium (b) Pleura  
 (c) Duramater (d) Conjunctive
438. Bile is stored in the -  
 (a) Gall bladder (b) Duodenum  
 (c) Liver (d) Spleen
439. Which of the following is not a gland?  
 (a) Thyroid (b) Stomach  
 (c) Pituitary gland (d) Pancreas
440. Which is the gland that holds the body's temperature?  
 (a) Pineal (b) Pituitary  
 (c) Hypothalamus (d) None of these
441. The hotness or pungency of chilli pepper is due to?  
 (a) Cucumin (b) Sorbitol  
 (c) Argenol (d) Capsaicin
442. Which of the following is a fungal disease?  
 (a) Ringworm (b) Mumps  
 (c) Rabies (d) Malaria
443. Which organelle in the cell, other than nucleus contains DNA?  
 (a) Centriole (b) Golgi apparatus  
 (c) Lysosome (d) Mitochondria
444. Which of the following plant hormone is mainly responsible for fruit ripening?  
 (a) Cytokinin (b) Ethylene  
 (c) Abscissic acid (d) None of these
445. Which of the following statements is/are correct?  
 1. Cholera is a disease caused by bacteria.  
 2. Athlete's foot is a disease caused by virus.  
 Select the correct answer from the codes given below:  
 (a) 2 only (b) 1 only  
 (c) Both 1 and 2 (d) Neither 1 nor 2
446. The study of the internal structure of the plants is called -  
 (a) Taxonomy (b) Agronomy  
 (c) Anatomy (d) Morphology
447. The insulin is a ?  
 (a) Hormone (b) Fatty acid  
 (c) Glycolipid (d) Protein
448. The maximum loss of water in transpiration is from -  
 (a) Cuticle (b) Stomata  
 (c) Hydathodes (d) Lenticles
449. Which one of the following processes is involved in plants?  
 (a) Transpiration (b) Photosynthesis  
 (c) Both(a) and(b) (d) None of the above
450. Chicken pox is caused by virus -  
 (a) Varicella Zoster virus  
 (b) Rhino virus  
 (c) Herpes virus  
 (d) Arbovirus
451. Red color of tomato is due to the presence of -  
 (a) Lycopene (b) Chromoplast  
 (c) Carotene (d) Betanine
452. The set of unpaired Chromosomes are called -  
 (a) Haploid (b) Diploid  
 (c) Pyrimidine (d) Cytosine
453. Genetic constitution of organism is called -  
 (a) Phenotype (b) Genotype  
 (c) Allele (d) Cytokinesis
454. Chromosomes found in cell which are responsible for characters other than sex are called -  
 (a) Genome (b) Autosome  
 (c) Plasmagen (d) Tonoplast
455. In plants food is stored in the form of starch, in animals it is generally stored in the form of -  
 (a) Maltose (b) Glycogen  
 (c) Sucrose (d) None of the above
456. DNA in a cell is a -  
 (a) Carboxylic acid (b) Nucleic acid  
 (c) Amino acid (d) Fatty acid
457. Which of the following is known as 'grave yard' of RBCs?  
 (a) Small intestine (b) Bone marrow  
 (c) Spleen (d) Appendix
458. Which of the following organelles is called 'atom bombs'?  
 (a) Microtubules (b) Nucleolus  
 (c) Golgi bodies (d) Lysosome
459. Plasma membrane in cells is made up of -



- (a) Phospholipid (b) Lipoprotein  
(c) Phospholipo-protein (d) Phospho-protein
460. The term 'Rh factor' refers to -  
(a) Rhesus factor (b) Rheumatoid factor  
(c) Renal factor (d) Rhombic factor
461. Lichen that grow on bark are said to be -  
(a) Xylophilous (b) Saxicolous  
(c) Coprophilous (d) Corticolous
462. Blubber is -  
(a) a milky secretion of rubber plant  
(b) a layer of thick fat  
(c) a device to trap insects by some aquatic  
(d) fungal infection of rice plants
463. Which of the following vertebrates lack exoskeleton?  
(a) Amphibia (b) Mammalia  
(c) Aves (d) Chondrichthyes
464. The disease that is caused by virus is -  
(a) Typhoid (b) Cholera  
(c) Common cold (d) Tetanus
465. Which of the following animals does not have nervous system?  
(a) Leech (b) Tapeworm  
(c) Sponges (d) Snail
466. In which vertebrate oxygenated and deoxygenated blood gets mixed?  
(a) Fish (b) Amphibian  
(c) Bird (d) Mammal
467. Ginger is a stem and not a root because -  
(a) it stores food material  
(b) it grows horizontally in the soil  
(c) it has nodes and internodes  
(d) it lacks chlorophyll
468. Which of the following elements is obtained from the sea algae?  
(a) Argon (b) Sulphur  
(c) Vanadium (d) Iodine
469. Which of the following is not a waste product produced by plants?  
(a) Water vapour (b) Oxygen  
(c) Gum Arabic (d) Carbon dioxide
470. What is Wilting of plants?  
(a) removal of leaves by the plants  
(b) loss of rigidity of non-woody parts of plants  
(c) respiration process in night by the plants  
(d) guttation
471. Spiders are different from insects because they have -  
(a) Six legs (b) Eight legs  
(c) Ten legs (d) Twelve legs
472. Plants growing on rocks are called :  
(a) Epiphytes (b) Halophytes  
(c) Xerophytes (d) Lithophytes
473. The characteristic odour of garlic is due to -  
(a) A chloro compound  
(b) A sulphur compound  
(c) A fluorine compound  
(d) Acetic acid
474. In which part of the cinchona plant quinine occurs naturally ?  
(a) Root (b) Fruit  
(c) Seed (d) Bark
475. After bringing out of water fishes die because  
(a) They get excess quantity of oxygen  
(b) Their body temperature increases  
(c) They cannot breathe  
(d) They can not move in water
476. The unit of heredity in our body is called  
(a) Chromosome (b) DNA  
(c) Gene (d) Nucleus
477. The number of bones in adult human body is -  
(a) 206 (b) 300  
(c) 320 (d) 180
478. When a person becomes older, his blood pressure generally -  
(a) Decreases (b) Increases  
(c) Remains the same (d) Varies widely
479. Average blood pressure of a human is -  
(a) 60/100 (b) 20/80  
(c) 60/140 (d) 120/80
480. **Assertion(A):** People with AB blood groups are universal recipients.  
**Reason(R):** Red blood cell of blood group AB has no antigen and so agglutination does not occur with any other blood group.  
Code:  
(a) both(A) and(R) are individually true, and(R) is the correct explanation of(A).  
(b) both(A) and(R) are individually true, but(R) is not the correct explanation of(A).  
(c) (A) is true, but(R) is false.  
(d) (A) is true, but(R) is true.
481. What is the pH of blood of a normal person?  
(a) 4.5-4.6 (b) 6.45-6.55  
(c) 7.35-7.45 (d) 8.25-8.35
482. Carbon monoxide poisoning affects mainly which one of the following?  
(a) Digestive activity  
(b) Liver functioning  
(c) Kidney functioning  
(d) Oxygen carrying capacity of blood
483. Which enzyme can catalyze the conversion of glucose to ethanol?  
(a) Zymase (b) Invertase  
(c) Maltase (d) Diastase



484. The process by which plants produce food is called  
 (a) Carbohydrolysis (b) Metabolic synthesis  
 (c) Photosensitization (d) Photosynthesis
485. Deficiency of Iron causes-  
 (a) Filaria (b) Malaria  
 (c) Anaemia (d) Fluorosis
486. Most frequently used medicine for AIDS is-  
 (a) Zedovudine (Azidothymidine)  
 (b) Micronazol  
 (c) Nanaxinel-a  
 (d) Vinajol
487. Who discovered the H.T.L.V. III AIDS Virus?  
 (a) Robert Gallo (b) Edwerd Jenner  
 (c) Luck Izon Jenner (d) Robertson
488. Jaundice affects the-  
 (a) Pancreas (b) Stomach  
 (c) Liver (d) Intestine
489. Which of the following diseases, antibodies cannot cure?  
 (a) Leprosy (b) Tetanus  
 (c) Measles (d) Cholera
490. Which of the following disease is caused by the excessive used alcoholic beverage?  
 (a) Appendicitis (b) Viral hepatitis  
 (c) Gall stones (d) Liver cirrhosis
491. Bright's disease affects human body in the part-  
 (a) kidney (b) spleen  
 (c) heart (d) liver
492. Pneumoconiosis affects the workers who work mainly in:  
 (a) Tanneries  
 (b) Coal mining industry  
 (c) Distilleries  
 (d) Glass Industry
493. The factor of madcow disease is-  
 (a) Bacteria (b) Virus  
 (c) Fungus (d) Prions
494. Foot and Mouth disease in animals, a current epidemic in some parts of the world, is caused by :  
 (a) Bacterium (b) Virus  
 (c) Fungus (d) Prions
495. In a patient of Thalassemia, the body is unable to synthesis-  
 (a) Vitamin D (b) Hormones  
 (c) Haemoglobin (d) Protein
496. Interferon is used for the control of  
 (a) Cancer (b) Diabetes  
 (c) T.B. (d) Typhoid
497. All of the following diseases are caused by virus except  
 (a) Dengue (b) Influenza  
 (c) Mumps (d) Typhoid
498. The disease in which high levels of uric acid in the blood are characteristic is  
 (a) Arthritis (b) Gout  
 (c) Rheumatism (d) Rheumatism heart
499. Which one of the following diseases can not be controlled by vaccination?  
 (a) Diabetes (b) Polio  
 (c) Whooping Cough (d) Small-pox
500. Which Vitamins are those, if taken in excess can be dangerous as they are stored in the body?  
 (a) B Complex (b) E and C  
 (c) B and C (d) A and D
501. Rearing silk worms is known as-  
 (a) Apiculture (b) Horticulture  
 (c) Sericulture (d) Floriculture
502. The branch of study dealing withold age and ageing is called  
 (a) Oncology (b) Gerontology  
 (c) Teratology (d) Ornithology
503. Who explained first the evolution of life?  
 (a) Newton (b) Einstein  
 (c) Charles Darwin (d) Lamarck
504. Which one of the following is a true fish?  
 (a) Starfish (b) Jelly fish  
 (c) Dog fish (d) Sea horse
505. In which part of the cinchona plant quinine occurs naturally?  
 (a) Root (b) Fruit  
 (c) Seed (d) Bark
506. Red colour in tomato is due to  
 (a) Capsaicin (b) Lycopene  
 (c) Xanthophyll (d) None of the above
507. The Scientist known as father of genetics is-  
 (a) Johnson (b) G.J.Mendel  
 (c) F.B.Morrison (d) Morgan
508. Lymphocytes cells are formed in which part of human body?  
 (a) Chest (b) Knee  
 (c) Head (d) Spleen
509. The blood group of universal donor is-  
 (a) B (b) O  
 (c) A (d) AB
510. Vitamin 'C' help in absorption of which of following elements?  
 (a) Iron (b) Calcium  
 (c) Iodine (d) Sodium
511. Water soluble vitamin is-  
 (a) Vitamin A (b) Vitamin C  
 (c) Vitamin D (d) Vitamin E
512. Which one of following hormones stimulates pancreas for the production of digestive juice?  
 (a) Rennin (b) Trypsin  
 (c) Secretin (d) Pepsin



513. Bile is stored in which of the following organ?  
 (a) Spleen (b) Pancreas  
 (c) Appendix (d) Gallbladder
514. When ants bite, they inject:  
 (a) Glacial acetic acid (b) Methanol  
 (c) Formic acid (d) Stearic acid
515. What is MRI?  
 (a) Magnetic Record of Intestines  
 (b) Magnetic Recording of investigations  
 (c) Magnetic Resonance Imaging  
 (d) Magnetic Resonance in Intestines
516. Lexicography is related to:  
 (a) Structure of human body  
 (b) Compilation of dictionary  
 (c) Secret of handwriting  
 (d) Teaching of pictures and models
517. On which of the following plant did Gregor Mendel perform his classical experiment?  
 (a) Pea (b) Gram  
 (c) Maize (d) Wheat
518. Dinosaurs were in  
 (a) Paleozoic era (b) Cenozoic era  
 (c) Mesozoic era (d) Pleistocene era
519. The red colour of the red sea is due to the presence of :  
 (a) Moss (b) Bacteria  
 (c) Algae (d) Fungi
520. Plants adapted to dry climate are known as-  
 (a) Epiphyte (b) Xerophyte  
 (c) Hydrophytes (d) Mean plants
521. Fishes survive under the frozen lake, because-  
 (a) Fishes have hot blood  
 (b) Fishes are in hibernation under it  
 (c) Water does not freeze near bottom  
 (d) Ice is the conductor of heat
522. Yeast is an example of  
 (a) Bacteria (b) Fungus  
 (c) Virus (d) Algae
523. Which of the following is a source of bio-fertilizer?  
 (a) Yeast (b) Chlorella  
 (c) Azolla (d) Mold
524. Pyorrhoea is a disease of the ?  
 (a) Nose (b) Gums  
 (c) Heart (d) Lungs
525. Which of the following is the smallest bone in the human body?  
 (a) Vomer (b) Stapes  
 (c) Malleus (d) Incus
526. The temperature of the human body  
 (a) Decreases in winters  
 (b) Increases in summers  
 (c) Neither decreases in winters nor increases in summers.  
 (d) increases in winters
527. What function does blood perform in the body?  
 (a) Takes oxygen to all parts  
 (b) Maintains liquidity  
 (c) Helps in digestion  
 (d) Helps in erection
528. Bamboo is classified as  
 (a) Tree (b) Grass  
 (c) Shrub (d) Herb
529. Which of the following helps us in protecting from infection-  
 (a) R.B.C. (b) W.B.C.  
 (c) Blood plasma (d) Haemoglobin
530. Which one of the following is the richest source of protein?  
 (a) Rice (b) Groundnut  
 (c) Apple (d) None of the above
531. The scientific study of insects is known as:  
 (a) Ichthyology (b) Entomology  
 (c) Parasitology (d) Malacology
532. What is hydroponics?  
 (a) plant without soil enrichment  
 (b) Grafting plant  
 (c) Study of vegetables  
 (d) Soil conservation
533. Dolphins are classified in-  
 (a) Fish (b) Amphibians  
 (c) Reptile (d) Mammals
534. Turmeric is obtained from which part of the plant:  
 (a) Root (b) Stem  
 (c) Fruit (d) Flower bud
535. Which one of the following animals stores water in the intestine?  
 (a) Moloch (b) Camel  
 (c) Zebra (d) Uromastix
536. Opium is obtained from  
 (a) Dried leaves  
 (b) Roots  
 (c) Latex from unripe fruit  
 (d) Flower
537. Which part of the animal cell is called power house?  
 (a) Cell wall (b) Nucleus  
 (c) Mitochondria (d) Entire cell
538. The number of bones in an adult human body is-  
 (a) 204 (b) 206  
 (c) 208 (d) 210
539. The total volume of blood in a normal adult human being is  
 (a) 5-6 litres (b) 3-4 litres  
 (c) 8-10 litres (d) 10-12 litres



540. The process by which blood is purified in human body is called  
 (a) Dialysis (b) Haemolysis  
 (c) Osmosis (d) Paralysis
541. The major chemical compound found in human kidney stones is:  
 (a) Urea (b) Calcium carbonate  
 (c) Calcium oxalate (d) Calcium sulphate
542. Sickle-cell anemia is a disease caused due to the abnormality in  
 (a) white blood cells  
 (b) red blood cells  
 (c) thrombocytes  
 (d) blood plasma composition
543. Which one of the following vitamins is responsible for blood clotting?  
 (a) C (b) K  
 (c) E (d) D
544. Match List I with List II and select the correct answer from the code given below the lists:
- | <b>List I</b><br><b>(Disease)</b> | <b>List II</b><br><b>(Cause)</b> |
|-----------------------------------|----------------------------------|
| A. Nightblindness                 | 1. Vitamin D                     |
| B. Rickets                        | 2. Vitamin C                     |
| C. Scurvy                         | 3. Vitamin B                     |
| D. Beri-beri                      | 4. Vitamin A                     |
- Code:**
- | <b>A</b>    | <b>B</b> | <b>C</b> | <b>D</b> |
|-------------|----------|----------|----------|
| (a) 1 2 3 4 |          |          |          |
| (b) 3 4 1 2 |          |          |          |
| (c) 4 1 2 3 |          |          |          |
| (d) 2 3 4 1 |          |          |          |
545. Which one of the following is not a plant hormone?  
 (a) Cytokinin (b) Ethylene  
 (c) Insulin (d) Gibberellin
546. Plants which grow on saline soils are-  
 (a) Xerophytes (b) Hydrophytes  
 (c) Halophytes (d) Succulents
547. Fish generally breathe through  
 (a) Skin (b) Nose  
 (c) Gills (d) Fins
548. The sugar present in DNA is :  
 (a) Glucose (b) Fructose  
 (c) Deoxyribose (d) Ribose
549. How many pairs of ribs are there in a human body?  
 (a) 12 (b) 10  
 (c) 14 (d) 11
550. Due to which the blood has red colour :  
 (a) Plasma (b) Haemoglobin  
 (c) Haemocynin (d) W.B.C.
551. Which one of the following is not a digestive enzyme in the human system?

- (a) Trypsin (b) Gastrin  
 (c) Ptyalin (d) Pepsin
552. The source of Vitamin 'D' is-  
 (a) Lemon (b) Sun rays  
 (c) Orange (d) Cashewnut
553. Deficiency of which vitamin can cause night blindness?  
 (a) B1 (b) C  
 (c) A (d) E
554. Match List I with List II and select the correct answer from the code given below the Lists:
- | <b>List-I</b><br><b>(Disease)</b> | <b>List-II</b><br><b>(Cause)</b> |
|-----------------------------------|----------------------------------|
| A. Rickets                        | 1. Vitamin D                     |
| B. Beri-beri                      | 2. Vitamin B <sub>1</sub>        |
| C. Nyctalopia                     | 3. Vitamin A                     |
| D. Scurvey                        | 4. Vitamin C                     |
- Code :**
- | <b>A</b>              | <b>B</b> | <b>C</b> | <b>D</b> |
|-----------------------|----------|----------|----------|
| (a) 1 2 3 4           |          |          |          |
| (b) 4 2 3 1           |          |          |          |
| (c) 3 2 1 4           |          |          |          |
| (d) None of the above |          |          |          |
555. Of the following which hormone is associated with 'fight or flight' concept?  
 (a) Insulin (b) Adrenaline  
 (c) Estrogen (d) Oxytocin
556. Which among the following is/are correctly paired:  
 1. Ginger:Tuber 2. Potato:Rhizome  
 3. Onion:Bulb  
 (a) Only 2 (b) Only 3  
 (c) Only 1 (d) 1, 2 and 3
557. Itai-Itai disease is caused by chronic poisoning of-  
 (a) Mercury (b) Nickel  
 (c) Cadmium (d) Lead
558. Leukaemia is a type of cancer in which there is an abnormal increase in the number of :  
 (a) Bone cells (b) Platelets  
 (c) Red blood cells (d) White blood cells
559. Match List-I with List-II and select the correct answer from the codes given below the lists:
- | <b>List-I</b> | <b>List-II</b> |
|---------------|----------------|
| A. Plague     | 1. Protozoa    |
| B. AIDS       | 2. Fungus      |
| C. Baldness   | 3. Virus       |
| D. Malaria    | 4. Bacteria    |
- Code :**
- | <b>A</b>    | <b>B</b> | <b>C</b> | <b>D</b> |
|-------------|----------|----------|----------|
| (a) 1 2 3 4 |          |          |          |
| (b) 2 3 4 1 |          |          |          |
| (c) 3 4 1 2 |          |          |          |
| (d) 4 3 2 1 |          |          |          |



560. Which one of the following is produced through Viticulture:  
 (a) Silk (b) Earthworm  
 (c) Honey (d) Grapes
561. Latest ancestor of modern human is  
 (a) Java man (b) Cro-magnon man  
 (c) Neanderthal man (d) Peking man
562. Pungency in chillies is due to the present of :  
 (a) Lycopene (b) Capsaicin  
 (c) Carotene (d) Anthocyanin
563. Trophic level-I includes:  
 (a) Herbivorous animals  
 (b) Carnivorous animals  
 (c) Omnivorous animals  
 (d) Green plants
564. The most abundant element found in the human body is-  
 (a) Iron (b) Sodium  
 (c) Oxygen (d) Iodine
565. No pain is felt while cutting the nails because-  
 (a) Nails are made of the material of dead cells in which there is no blood circulation.  
 (b) Nails are a useless part of the body.  
 (c) Nails are made of calcium phosphate.  
 (d) None of these.
566. The brain is responsible for:  
 (a) Thinking  
 (b) Regulating the heartbeat  
 (c) Balancing the body  
 (d) All of the above three
567. Blood grouping was discovered by-  
 (a) Louis Pasteur (b) William Harvey  
 (c) Robert Koch (d) Landsteiner
568. Enzymes are basically-  
 (a) Fats (b) Sugars  
 (c) Proteins (d) Vitamins
569. Oxygen, which is liberated during photosynthesis, comes from  
 (a) Water (b) Nitrogen  
 (c) Chlorophyll (d) Phosphoglyceric acid
570. Which of the following vitamins contain cobalt-  
 (a) Vitamin B6 (b) Vitamin B-2  
 (c) Vitamin B-1 (d) Vitamin B-12
571. Which bacteria cause milk to spoil?  
 (a) Aspergillus (b) Staphylococcus  
 (c) Pseudomonas (d) Lactobacillus
572. Which one of the following is considered as a cell within a cell ?  
 (a) Ribosome (b) Chloroplast  
 (c) Lysosome (d) Golgi complex
573. A person with vision defect "Myopia" can see-  
 (a) Nearby objects clearly  
 (b) Distant objects clearly  
 (c) Nearby as well as distant object clearly  
 (d) Neither nearby nor distant objects clearly
574. Japanese encephalitis is caused by:  
 (a) Bacteria (b) Virus  
 (c) Parasitic protozoan (d) Fungus
575. Pedology is the science related to the study of:  
 (a) Atmosphere (b) Soil  
 (c) Pollutants (d) Seeds
576. The yellow colour of papaya is due to  
 (a) Papain (b) Lycopene  
 (c) Caricaxznthin (d) Carotene
577. Major component of cotton is-  
 (a) Protein (b) Fatty acid  
 (c) Cellulose (d) Glycerene
578. How many chromosomes are there in humans?  
 (a) 36 (b) 46  
 (c) 56 (d) 26
579. The strongest muscle in human body is found in  
 (a) Jaws (b) Thighs  
 (c) Neck (d) Hands
580. Which of the following is not a symptom of a heart attack?  
 (a) Chest pain  
 (b) Nausea and sweating  
 (c) Numbness and aching of arms  
 (d) Pain in legs
581. When does heart rest?  
 (a) Never  
 (b) While sleeping  
 (c) Between two beats  
 (d) While doing yoga
582. How many chambers are there in heart?  
 (a) 2 (b) 4  
 (c) 6 (d) 8
583. Blood is-  
 (a) Connective tissue (b) Epithelial tissue  
 (c) Both of the above (d) None of the above
584. Which of the following types of light are strongly absorbed by plants?  
 (a) Violet and orange (b) Blue and red  
 (c) Indigo and yellow (d) Yellow and violet
585. In which category of food is the most amount of calories per unit:-  
 (a) Vitamins (b) Fats  
 (c) Carbohydrates (d) Proteins
586. Thiamine is:  
 (a) Vitamin C (b) Vitamin B<sub>2</sub>  
 (c) Vitamin B<sub>6</sub> (d) Vitamin B<sub>1</sub>
587. Of the following which hormone is associated with 'fight of flight' concept?  
 (a) Insulin (b) Adrenaline  
 (c) Estrogen (d) Oxytocin
588. Which of these decreases in human the body due to dengue fever?  
 (a) Platelets (b) Hb



- (c) Sugar (d) Water
589. D.P.T. vaccine is given to protect from  
 (a) Tetanus, Polio, Plague  
 (b) T.B., Polio, Diphtheria  
 (c) Diphtheria, Whooping Cough, Tetanus  
 (d) Diphtheria, Polio, Leprosy
590. In Vermiculture, the worm used is-  
 (a) Tapeworm (b) Silkworm  
 (c) Threadworm (d) Earthworm
591. Mammoth is the Ancestor of-  
 (a) Dog (b) Horse  
 (c) Camel (d) Elephant
592. Clove is a-  
 (a) Buds of stem (b) Bales of root  
 (c) Closed buds (d) Seed
593. A hydrophyte is:  
 (a) A marine animal (b) An aquatic plant  
 (c) A plant disease (d) A rootless plant
594. Mendel's principle of inheritance is based on-  
 (a) Vegetative reproduction  
 (b) Asexual reproduction  
 (c) Sexual reproduction  
 (d) All of the above
595. What are vitamins?  
 (a) Organic Compound  
 (b) Inorganic Compound  
 (c) Living organism  
 (d) None of these
596. Which one of the following pairs is no correctly matched?  
 (a) Vitamin A-Night Blindness  
 (b) Vitamin B<sub>3</sub> -Pellagra  
 (c) Vitamin D -Colour Bindness  
 (d) Folic acid -Anaemia
597. What would happen if the pancreas is defective:  
 (a) Digestion will not take properly  
 (b) Insulin and glucagon are not formed  
 (c) Blood formation will stop  
 (d) Blood pressure will increase
598. Which one of the following is a plant hormone?  
 (a) Insulin (b) Thyroxine  
 (c) Estrogen (d) Cytokinin
599. Insulin is received from-  
 (a) Rhizome of ginger (b) Roots of dahlia  
 (c) Balsam flower (d) Potatoes tuber
600. Which one of the following human organs is responsible for detoxification of alcohol?  
 (a) Liver (b) Lung  
 (c) Heart (d) Waist
601. The 'blue baby' pollution disease is due to the excessive presence of which of the following in drinking water?  
 (a) Fluoride (b) Chloride
- (c) Nitrate (d) Arsenic
602. The polio virus enters into the body through:  
 (a) Dog bite  
 (b) Mosquito bite  
 (c) Polluted food and water  
 (d) Saliva
603. The disease caused by HIV is-  
 (a) Tuberculosis (b) Dysentery  
 (c) Cancer (d) AIDS
604. Leprosy is caused by-  
 (a) Bacteria (b) Virus  
 (c) Fungus (d) Protozoa
- 605 The age of the tree, in years can be ascertained by:  
 (a) Its weight  
 (b) its height  
 (c) The number of its annular rings  
 (d) Length of its root
606. Who discovered bacteria?  
 (a) Fleming (b) Lamble  
 (c) Temin (d) Leeuwenhoek
607. Which one of the following diseases can not be controlled by vaccination ?  
 (a)Diabetes (b)Polio  
 (c)Whooping cough (d)Small pox
608. Who discovered that plants trees also have life?  
 (a) Robert Koach (b) J.C. Bose  
 (c) Benjamin Franklin (d) Louis pasture
609. Dolphins are classified in-  
 (a) Fish (b) Amphibians  
 (c) Reptile (d) Mammals
610. CDRI(India) is located at:  
 (a) Allahabad (b) Delhi  
 (c) Bangalore (d) Lucknow
611. Which of the following plant is used for 'bio-diesel'  
 (a) Sugarcane (b) White carrot  
 (c) Senna (d) jatropha curcas
612. Golden Rice is a rich source of :  
 (a) Vitamin A (b) Vitamin B  
 (c) Vitamin K (d) Vitamin C
613. The gas released during the photosynthesis by the green plants is  
 (a) Oxygen (b) Nitrogen  
 (c) Water vapour (d) Carbon dioxide
614. BCG vaccine is given in-  
 (a) Peneumonia (b) Whooping cough  
 (c) Tetanus (d) T.B
615. Of the following, ELISA Test is performed to test-  
 (a) Diabetes (b) Tuberculosis  
 (c) AIDS (d) Syphilis



616. Which disease is caused by allergy?  
 (a) Diabetes (b) Cholera  
 (c) Ringworm (d) Asthma
617. Who discovered the polio vaccine?  
 (a) Alexander Flemming  
 (b) Jones Salk  
 (c) Robert Koach  
 (d) Edward Genere
618. Haemophilia is  
 (a) Caused by bacteria  
 (b) Caused by Virus  
 (c) Caused by pollutants  
 (d) A hereditary defect
619. The radio isotope used in the detection of tumour is  
 (a) Arsenic - 74 (b) Cobalt - 60  
 (c) Sodium - 24 (d) Carbon - 14
620. What does the philatelist do?  
 (a) Collects the coins  
 (b) Collects stamps  
 (c) Collects the pictures of birds  
 (d) Collects the feathers
621. Potato is a :  
 (a) Root (b) Fruit  
 (c) Tuber (d) Bulb
622. Desert plants have longer root system because:  
 (a) High temperature of the soil stimulates the growth of roots  
 (b) Roots grow in search of water  
 (c) Soil does not contain water, hence becomes compact and presses the roots to grow longer  
 (d) Roots moves opposite to the solar heat
623. Genome mapping relates to:  
 (a) Blood grouping  
 (b) Mapping of genes  
 (c) Mapping of nerve centers  
 (d) Mapping of brain
624. Read the following statements in connection with red blood corpuscles and with the help, the code given below find out the correct answer?  
 1. They have iron  
 2. They provide red colour to the blood  
 3. They provide immunity against certain diseases  
 4. They are the carrier of oxygen in the blood  
 Code:  
 (a) 1, 2 and 3 (b) 2, 3 and 4  
 (c) 1, 2 and 4 (d) 1, 2 3 and 4
625. The major chemical compound found in human kidney stones is :  
 (a) Urea (b) Calcium carbonate  
 (c) Calcium oxalate (d) Calcium sulphate

626. Photosynthesis occurs in-  
 (a) Nucleus (b) Mitochondria  
 (c) Chloroplast (d) Peroxisome
627. Which among the following pairs is not correctly matched?  
 (a) Thiamine- Beri-beri  
 (b) Vitamin D- Rickets  
 (c) Vitamin K- Sterility  
 (d) Niacin- Pellagra
628. Which of the following converts milk into curd?  
 (a) Bacteria (b) Vitamin  
 (c) Enzyme (d) None of the above
629. Match List I with List II and select the correct answer from the code given below the Lists:  
**List I (Hormones)** **List II (Secreting Gland)**  
 A. Progesterone 1. Thyroid  
 B. Testosterone 2. Pancreas  
 C. Thyroxine 3. Ovaries(Females)  
 D. Insulin 4. Testes(Males)  
 Code:  

A	B	C	D
(a)	3	4	1 2
(b)	4	3	1 2
(c)	3	4	2 1
(d)	1	2	3 4
630. Match the following and select the correct answer from the codes given below-  
 A. Anaemia1. Vitamin B deficiency  
 B. Goiter 2. Iron deficiency  
 C. Night-blindness 3. Iodine deficiency  
 D. Beri-beri 4. Vitamin A deficiency  
 Code:  

A	B	C	D
(a)	2	1	3 4
(b)	2	3	4 1
(c)	1	2	3 4
(d)	2	4	3 1
631. Match List-I with List-II and select the correct answer from the code given below the lists:  
**List I(Disease)** **List II(Causes)**  
 A. Khaira 1. Vitamin C deficiency  
 B. Anaemia 2. Iodine deficiency  
 C. Goitre 3. Iron deficiency  
 D. Scurvy 4. Zinc deficiency  
 Code:  

A	B	C	D
(a)	1	2	3 4
(b)	2	1	4 3
(c)	3	4	1 2
(d)	4	3	2 1
632. Karnal Bunt is a disease of:  
 (a) Barley crop (b) Wheat crop  
 (c) Bajra crop (d) Jowar crop



633. 'Super rice' was developed by  
 (a) M.S Swaminathan (b) G.S. Khush  
 (c) N.E. Borlog (d) P.K. Gupta
634. Bone matrix is rich in  
 (a) fluoride and calcium  
 (b) calcium and phosphorus  
 (c) calcium and potassium  
 (d) phosphorus and potassium
635. Match the following-
- |                |                    |
|----------------|--------------------|
| A. 5 June      | 1. Food Day        |
| B. 1 December  | 2. Environment Day |
| C. 5 September | 3. World AIDS Day  |
| D. 16 October  | 4. Teachers Day    |
- Code:**
- | A     | B | C | D |
|-------|---|---|---|
| (a) 2 | 3 | 4 | 1 |
| (b) 2 | 3 | 1 | 4 |
| (c) 3 | 2 | 4 | 1 |
| (d) 1 | 3 | 2 | 4 |
636. Blood fails to clot, while flowing in the blood vessel because of the presence of -  
 (a) Heparin (b) Prothrombin  
 (c) Haemoglobin (d) Hirudin
637. Which one of the following is called the 'digestive bag' in the cell?  
 (a) Golgi body (b) Mitochondrion  
 (c) Ribosome (d) Lysosome
638. Which one of the following is also called the 'power house' of the cell ?  
 (a) Golgi body (b) Mitochondrion  
 (c) Ribosome (d) Lysosome
639. Which one of the following is not a part of small intestine?  
 (a) Caecum (b) Duodenum  
 (c) Jejunum (d) Ileum
640. Cell or tissue death within a living body is called as -  
 (a) Neutrophils (b) Nephrosis  
 (c) Necrosis (d) Neoplasia
641. Which of the following blood cells is compulsory for blood coagulation ?  
 (a) Platelets  
 (b) Red blood corpuscles  
 (c) White blood corpuscles  
 (d) Lymphocytes
642. Which is the largest living bird on Earth ?  
 (a) Emu (b) Ostrich  
 (c) Albatross (d) Siberian crane
643. Blood groups were discovered by -  
 (a) Almann (b) Landsteiner  
 (c) Losch (d) Ronald Ross
644. Transport of oxygen by blood takes place with the help of -  
 (a) Hemoglobin (b) Thrombocytes  
 (c) Lymphocytes (d) Leucocytes
645. In the human body, fats are stored in the -  
 (a) Epidermis (b) Adipocytes  
 (c) Liver (d) Epithelium
646. Stem cells which capable of developing into other types of cells come from the -  
 (a) Roots (b) Stem  
 (c) Embryo (d) Flower
647. The book 'Genera Plantarum' was written by -  
 (a) Linnaeus  
 (b) Bentham and Hooker  
 (c) Engler and Prantle  
 (d) Hutchinson
648. Which is the only mammal that can fly?  
 (a) Whale (b) Bat  
 (c) Hen (d) Lizard
649. The normal body temperature of human beings is -  
 (a) 96.4° F (b) 97.4° F  
 (c) 98.6° F (d) 99.4° F
650. Who discovered the polio vaccine?  
 (a) Louis Pasteur (b) Konard Zuse  
 (c) Eli Whitney (d) Jonas Salk
651. Birds which swim in water have -  
 (a) Webbed feet (b) Broad wings  
 (c) Long beaks (d) Toes with claws
652. Which one of the following diseases is caused due to presence of excess arsenic in water?  
 (a) Alzheimer's disease (b) Parkinson's disease  
 (c) Skin cancer (d) Indigestion
653. Animals living in the tree trunks are known as -  
 (a) Arboreal (b) Volant  
 (c) Amphibious (d) Aquatics
654. Which of the following is correct about cold-blooded animals?  
 (a) Their blood remains cold all the time  
 (b) Their body temperature changes in accordance with atmosphere  
 (c) Their body temperature remains constant all the time  
 (d) They kill all the animals they came across
655. Which of the following animals has the longest life span?  
 (a) Elephant (b) Crocodile



- (c) Dog (d) Tortoise
656. Food is stored in plants in the form which carbohydrate?  
 (a) Starch (b) Glucose  
 (c) Fructose (d) Cellulose
657. Proteins are made up of -  
 (a) Sugars (b) Amino acids  
 (c) Fatty acids (d) Nucleic acid
658. Which one of the following animals is sanguinivorous?  
 (a) Fruitfly (b) Mosquito  
 (c) Housefly (d) Snail
659. Which one of the following organs converts glycogen into glucose and purifies the blood?  
 (a) Liver (b) Kidney  
 (c) Lungs (d) Spleen
660. The Saliva helps in the digestion of -  
 (a) Proteins (b) Starch  
 (c) Fibres (d) Fats
661. The tissue in man where no cell division occurs after birth is -  
 (a) Epithelial (b) Nerves  
 (c) Connective (d) Germinal
662. The normal, RBC count in adult male is -  
 (a) 4.5- 6.1 million (b) 7.5- 8.5 million  
 (c) 2- 3 million (d) 1.5- 2.5 million
663. The branch of biology dealing with the study of cells is known as -  
 (a) Cytology (b) Histology  
 (c) Psychology (d) Physiology
664. Which is the anti-coagulant substance in blood?  
 (a) Fibrinogen (b) Heparin  
 (c) Thrombin (d) Globin
665. Which one of the following cells produce antibodies?  
 (a) Eosinophil (b) Monocyte  
 (c) Basophil (d) Lymphocytes
666. Anemophily' is pollination by :  
 (a) Birds (b) Wind  
 (c) Ants (d) Bats
667. The heat treatment applied to milk to stabilize and to remove disease causing bacteria is called as  
 (a) Pasteurization (b) Fermentation  
 (c) Coagulation (d) Homogenization
668. Cockroach cannot survive in the water because its respiratory organ is -  
 (a) Gill (b) Trachea
- (c) Book lung (d) Pulmonary sac
669. Which of the following is an egg laying mammal?  
 (a) Bat (b) Leafy-Ant eater  
 (c) Whale (d) Spiny Ant-eater
670. Which one of the following is the smallest bird?  
 (a) Peacock (b) Penguin  
 (c) Humming bird (d) Emu
671. Flat footed camels can walk easily in sandy deserts because -  
 (a) pressure on the sand is decreased by increasing the area of the surface in contact  
 (b) pressure on the sand is increased by increasing the area of the surface in contact  
 (c) pressure on the sand is decreased by decreasing the area of the surface in contact  
 (d) pressure on the sand is increased by decreasing the area of the surface in contact
672. Mitochondria was discovered by -  
 (a) Weismann (b) Darwin  
 (c) Lamarck (d) Richard Altamann
673. The chemical used for destroying fungi in water tanks is -  
 (a) Copper Sulphate (b) Magnesium Sulphate  
 (c) Zinc Sulphate (d) Nitric Acid
674. Which of the following is a Parthenocarpic fruit?  
 (a) Banana (b) Apple  
 (c) Mulberry (d) Strawberry
675. Carrot is orange in colour because -  
 (a) it grows in the soil  
 (b) it is not exposed to sunlight  
 (c) it contains carotene  
 (d) the entire plant is orange in colour
676. Which among the following is a main constituent of Histosols?  
 (a) Acidic Salts (b) Organic Matter  
 (c) Minerals (d) Clay Content
677. Term Vitamin was coined by -  
 (a) Charles Levaran (b) Casimir Funk  
 (c) Robert Koch (d) Robert hooke
678. Nutrients are recycled in the atmosphere with the help of certain microorganisms referred to as-  
 (a) Producers (b) Consumers  
 (c) Decomposers (d) None of these
679. Scurvy is caused due to the deficiency of -  
 (a) Vitamin-D (b) Vitamin-K  
 (c) Vitamin-E (d) Vitamin-C
680. Disorder in which concentration of glucose in the blood is high -  
 (a) Hvdperglvcemia (b) Glvcosuria



- (c) Glucoma (d) Uremia
681. An example of hormone is -  
 (a) Cytosine (b) Renin  
 (c) Oxytocin (d) Peprin
682. To reduce tooth decay most toothpastes contain a -  
 (a) Bromide (b) Fluoride  
 (c) Iodide (d) Chloride
683. The part of brain which controls emotional reactions in our body is -  
 (a) Hypothalamus (b) Cerebrum  
 (c) Meninges (d) Thalamus
684. An organism that transmits disease from one individual to another is called -  
 (a) Hybrid (b) Fragment  
 (c) Vector (d) Clone
685. Which endocrine gland is found in chest cavity?  
 (a) Pineal gland (b) Thymus gland  
 (c) Adrenal gland (d) Thyroid gland
686. Blue Revolution is related to:  
 (a) Space research (b) Poultry  
 (c) Drinking water (d) Fisheries
687. BOD stands for:  
 (a) Biological oxidation demand  
 (b) Biological oxygen decomposition  
 (c) Biochemical oxygen demand  
 (d) Biotic oxidation demand
688. Minamata disease is caused by pollution of water by:  
 (a) Lead (b) Tin  
 (c) Methyl Isocyanate (d) Mercury
689. Amino acids are required for the synthesis of:  
 (a) Alkaloids (b) Lipids  
 (c) Proteins (d) Carbohydrates
690. Transpiration increases in:  
 (a) Hot, dry and windy condition  
 (b) Hot, damp and windy condition  
 (c) Cool, damp and windy condition  
 (d) Cool, dry and still condition
691. What is the Kyoto Protocol?  
 (a) It is an agreement among countries to take steps for reducing acid rain  
 (b) It is an agreement among countries to take steps for planting trees to control pollution  
 (c) It is an agreement among countries to start using nuclear energy  
 (d) It is an agreement among countries to take steps for reducing green house gases emission
692. The longest bone in the human body is -  
 (a) Ulna (b) Humerus  
 (c) Femur (d) Tibia
693. An instrument for measuring blood pressure is called -  
 (a) Barometer (b) Spirometer  
 (c) Sphygmomanometer (d) Haemocytometer
694. The vitamin most readily destroyed by heat is -  
 (a) Riboflavin (b) Ascorbic acid  
 (c) Tocopherol (d) Thiamine
695. Rickets is the deficiency disease of vitamin-D, in which the affected part is the -  
 (a) Skin (b) Hair  
 (c) Bone (d) Blood
696. Normal blood pressure reading of an adult human:  
 (a) 80/140 mm Hg (b) 120/80 mm Hg  
 (c) 130/90 mm Hg (d) 160/95 mm Hg
697. 'Red Data Book' provides an account of  
 (a) Endangered plants only  
 (b) Fossil plants  
 (c) Endangered plants and animals  
 (d) Extinct animals only
698. Which one of the following is an autotroph?  
 (a) Butterfly (b) Algae  
 (c) Grasshopper (d) Mushroom
699. In B.C.G. Vaccine the word 'C' stands for:  
 (a) Calmette (b) Cough  
 (c) Chlorine (d) Cadmium
700. Point out the incorrect pair:  
 (a) Green Revolution-Agricultural Development  
 (b) White Revolution - Dairy Development  
 (c) Blue Revolution - Development of Fisheries  
 (d) Golden Revolution - Milk Development