

# Biology Exam

- 1) The disease caused by the deficiency of vitamin B<sub>12</sub>  
[A] Aplastic anaemia [B] Sickle cell anaemia [C] Normocytic anaemia [D] Pernicious anaemia
- 2) Which of the following vitamin is most easily destroyed by heat and air  
[A] A [B] B [C] C [D] D
- 3) Which one of the following is not an endocrine gland ?  
[A] Adrenal gland [B] Pituitary gland [C] Salivary gland [D] Thyroid gland
- 4) AIDS is  
[A] Viral disease [B] Fungal disease [C] Genetical disease [D] Bacterial disease
- 5) Antibodies are synthesized by  
[A] Bone marrow [B] Plasma and Lymph [C] Liver [D] Kidney
- 6) The amount of blood in a human body is  
[A] one liter [B] Two liters [C] Five liters [D] Ten liters
- 7) The following is not a macronutrient  
[A] Mg [B] Ca [C] Fe [D] K
- 8) Which of the following vitamin is water soluble as well as an antioxidant?  
[A] Vitamin E [B] Vitamin A [C] Vitamin D [D] Vitamin C
- 9) The normal blood pressure of human beings should remain in the range of  
[A] 120/80 mm [B] 110/70 mm [C] 140/80 mm [D] 110/ 60 mm
- 10) Amount of blood pumped by an adult heart per hour is about  
[A] 150 liter [B] 200 liter [C] 300 liter [D] 340 liter
- 11) Blood is filtered in the body through  
[A] Brain [B] Lungs [C] Liver [D] Kidney
- 12) Vitamin B<sub>12</sub> is also known as  
[A] Pyridoxine [B] Ascorbic acid [C] Riboflavin [D] Cyanocobalamin
- 13) The ingredient that assists clotting of blood is  
[A] Vitamin A [B] Vitamin E [C] Vitamin D [D] Vitamin K
- 14) Leaf spot disease of rice is caused by  
[A] Fungs [B] Virus [C] Bacteria [D] None of the above
- 15) Ribosomes play a significant role in  
[A] Photosynthesis [B] protein synthesis [C] Lipid synthesis [D] Respiration
- 16) In photosynthesis, Light reaction takes place in  
[A] Cytosol [B] Grana [C] Stroma [D] Ribosome
- 17) Which metal is associated with Haemoglobin ?  
[A] Mg [B] Fe [C] Al [D] Mn
- 18) Lowest rate of photosynthesis takes place in  
[A] Blue light [B] Orange light [C] Green light [D] Red light
- 19) Natural source of O<sub>2</sub> in environment is  
[A] Respiration [B] Transpiration [C] Photosynthesis [D] Combustion
- 20) Which of the following is not an autotroph ?  
[A] Grass [B] Green Algae [C] Fungus [D] Fern
- 21) The amino acids are basis unit of

- [A] Nucleic acid [B] Protein [C] Gene [D] Lipo protein
- 22) Which of the following enzyme is present in Saliva ?  
 [A] Pepsin [B] Trypsin [C] Ptyalin [D] Chymotrypsin
- 23) Amount of O<sub>2</sub> normally carried by 100 ml of pure human blood is  
 [A] 5 ml [B] 10 ml [C] 20 ml [D] 30 ml
- 24) Chemically hormones are  
 [A] Amino acids [B] Fatty acids [C] Protein [D] Steroids
- 25) Which blood cells that defend the body against infections are  
 [A] White blood cells [B] Red blood cells [C] Platelets [D] Erythrocytes
- 26) What is a bacteriophage?  
 [A] A virus [B] A bacteria [C] A fungus [D] A phagocytic protozoa
- 27) Green vegetable are good source of  
 [A] Vitamin A [B] Vitamin C [C] Minerals [D] Carbohydrates
- 28) A viral disease is  
 [A] Cancer [B] Leukaemia [C] Typhoid [D] Yellow fever
- 29) \_\_\_\_\_ is an antivitamin  
 [A] Beta carotene [B] Methyl cobalamine [C] Pyriothiamine [D] Folic acid
- 30) ECG records  
 [A] Rate of heart beat [B] Potential difference [C] Ventricular concentration [D] Volume of blood pumped
- 31) The food that gives more calories per unit mass of food is  
 [A] Carbohydrate [B] Protein [C] Fat [D] Water
- 32) In blood CO<sub>2</sub> is transported majorly as  
 [A] CO<sub>2</sub> as such [B] Sodium Carbonate [C] Bicarbonate [D] Carboxy hemoglobin
- 33) The digest food absorbed in  
 [A] Stomach [B] Small Intestine [C] Large Intestine [D] Colon
- 34) The metal is present in chlorophyll ?  
 [A] Fe [B] Zn [C] Al [D] Mg
- 35) The Bt Cotton is a transgenic crop with gene transfer from  
 [A] Virus [B] Bacteria [C] Fungi [D] Algae
- 36) The Kalaazar disease in man is spread by the bite of a  
 [A] Culex mosquito [B] Phlebotomus sandfly [C] Cimex bed bug [D] Sarcoptes mite
- 37) The number of amino acids occurring in nature is  
 [A] 10 [B] 20 [C] 30 [D] 40
- 38) Kupffer cells are present in  
 [A] Small Intestine [B] Thyroid [C] Liver [D] Pancreas
- 39) In plants, water supply is due to  
 [A] Osmosis [B] Imbibition [C] Guttation [D] Adhesion force
- 40) The following virus is water born  
 [A] Hepatitis A [B] Hepatitis B [C] Hepatitis E [D] Both option A and C
- 41) Bile is produced by  
 [A] Liver [B] Stomach [C] Pancrease [D] Dudeneum
- 42) Blood pressure is the pressure exerted on the wall of  
 [A] Heart [B] Vein [C] Artery [D] Cell
- 43) Number of chamber found in human heart

- [A] 2 [B] 3 [C] 4 [D] 5
- 44) Main function of Bile  
 [A] To convert fat into fatty acid and glycerol [B] To convert fatty acid into fat and glycerol [C] Emulsification of fat [D] All of them
- 45) Instrument used to measured blood pressure  
 [A] E.C.G. [B] Stethoscope [C] Sphygmomanometer [D] Arm band
- 46) To complete one heart beat the time taken is  
 [A] 1 sec [B] 1 minute [C] 1.5 sec [D] 0.8 sec
- 47) How many essential nutrients does a plant require?  
 [A] 15 [B] 16 [C] 17 [D] 20
- 48) Which of the following minerals helps in improving both the quantity and quality of dry matter in leafy vegetables and protein in grain crops  
 [A] Iron [B] Copper [C] Nitrogen [D] Molybdenum
- 49) The main mode of nutrition in Plants is  
 [A] Autotrophic [B] Heterotrophic [C] Saprophytic [D] None of the above
- 50) Which of the following minerals is required for the synthesis of Chlorophyll?  
 [A] Copper [B] Potassium [C] Phosphorous [D] Iron
- 51) Which of the following minerals is a constituent of cell membranes and nucleic acids?  
 [A] Phosphorous [B] Potassium [C] Iron [D] Manganese
- 52) Which one of the following is essential for preventing dental caries?  
 [A] Flourine [B] Iodine [C] Iron [D] Zinc
- 53) in which one of the following is extra blood stored and is released when shortage occurs?  
 [A] Adrenal gland [B] Pancreas [C] Spleen [D] Thyroid gland
- 54) If the radius of blood vessels of a person decrease his/her blood pressure will  
 [A] Increase [B] Decrease [C] Remain unaffected [D] Increase in male and decrease in female
- 55) Mineral impurities in blood are removed by  
 [A] Lungs [B] Spleen [C] Kidney [D] Liver
- 56) The pH of human blood is  
 [A] 7 [B] 7.2 [C] 7.4 [D] 6.6
- 57) In human body red blood cells are produced in  
 [A] Voluntary muscles [B] pancreas [C] Liver [D] Bone marrow
- 58) At which part of the intestines is the digested food absorbed by the blood?  
 [A] Ileum [B] Colon [C] Jejunum [D] Caecum
- 59) Rate of photosynthesis does not depend upon  
 [A] Quality of light [B] Intensity of light [C] Duration of light [D] Temperature
- 60) Photosynthesis is a \_\_\_\_\_ process  
 [A] Catabolic [B] Anabolic [C] Exothermic [D] Metabolic
- 61) The protein coat of viruses that enclose the genetic material is called  
 [A] Virion [B] Capsid [C] Peplomers [D] Capsomers
- 62) The region in the body where polio virus multiplies is  
 [A] Muscle Cells [B] Nerve Cell [C] Intestinal Cell [D] None of the above
- 63) The virus contains both DNA and RNA  
 [A] Polio virus [B] Herpes virus [C] Cyanophage [D] Leukovirus
- 64) In a study, which cells are found in COVID-19 patient 'bode well' for long term immunity?  
 [A] P-Cell [B] D-Cell [C] T-Cell [D] Endothelial Cells