

## श्री चित्रा तिरुनाल आयुर्विज्ञान और प्रौद्योगिकी संस्थान, त्रिवेंद्रम, केरल- 695 011 (एक राष्ट्रीय महत्व का संस्थान, विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार) SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY, TRIVANDRUM KERALA - 695 011

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## ENTRANCE EXAMINATION - ACADEMIC SESSION JANUARY 2025

Program: PG Diploma in Blood Banking Technology

Time: 90 Minutes

Max. Marks: 100

(Select the most appropriate answer) (There are no negative marks for wrong answers)

| 1            | Which of the following is due to a congenital defect in structure of hemoglobin? |                       |  |  |  |
|--------------|--|-----------------------|--|--|--|
|              | а  | Polycythemia          |  |  |  |
|              | b  | Methemoglobinemia     |  |  |  |
|              | С  | Sickle Cell Anemia    |  |  |  |
|              | d  | Sulphemoglobinemia    |  |  |  |
| 2            | Number of WBC's present in 1 mm3 of blood is                                     |                       |  |  |  |
|              | a  | 4000-10000            |  |  |  |
|              | b  | 500-1000              |  |  |  |
|              | С  | 1000-2000             |  |  |  |
|              | d  | 20000-30000           |  |  |  |
| 3            | Proteins are hydrolyzed by   |                       |  |  |  |
|              | a  | Amylase               |  |  |  |
|              | b  | Lipase                |  |  |  |
|              | С  | Pepsin                |  |  |  |
|              | d  | Zymase                |  |  |  |
| 4            | Down's syndrome is a typical case of   |                       |  |  |  |
|              | a  | Trisomy               |  |  |  |
|              | b  | Nullosomy             |  |  |  |
|              | С  | Gene mutation         |  |  |  |
|              | d  | Monosomy              |  |  |  |
| 5            | Mammals can regenerate   |                       |  |  |  |
|              | a  | Brain                 |  |  |  |
|              | b  | Liver                 |  |  |  |
|              | C  | Lung                  |  |  |  |
| A supplement | d  | Spleen                |  |  |  |
| 6            | Genetic material of retrovirus is  |                       |  |  |  |
|              | a  | DNA                   |  |  |  |
|              | b  | RNA                   |  |  |  |
|              | C  | Both DNA and RNA      |  |  |  |
|              | d  | Nucleoprotein Complex |  |  |  |

| a<br>b | Malaria Polio  |
|--------|--|
| ~      | P0110  |
| С      | Plague   |
| d      | Tuberculosis   |
|        | enal gland is associated with  |
|        | Pancreas   |
|        | Brain  |
|        | Kidney   |
|        | Pharynx  |
|        | cerebellum is concerned with   |
|        | Coordination of muscle movement  |
| 7.0    | Perception   |
|        | Memory   |
| 101-   | Vision   |
|        | mone that stimulates heart rate is   |
|        | Insulin  |
|        | Adrenalin  |
|        | Glucagon   |
|        | Gastrin  |
|        | function of calcium ions in blood  |
|        | Anticoagulation  |
|        | Blood clotting   |
|        | Nutrition  |
|        | Maintenance of blood pressure  |
| Ery    | throblastosis Fetalis is a condition due to  |
| a      | ABO group incompatibility  |
| b      | Rh incompatibility   |
| С      | Minor blood group incompatibility  |
| d      | All of the above   |
| Ery    | thropoietin is reduced in diseases of  |
| a      | Liver  |
| b      | Kidney   |
| С      | Bone marrow  |
| d      | Spleen   |
| Ant    | tibodies are produced by   |
| a      | Eosinophils  |
| b      | Macrophages  |
| С      | T-Lymphocytes  |
| d      | B-Lymphocytes  |
| Oxy    | ytocin is secreted by  |
| a      | Adrenals   |
| b      | Ovary  |
| С      | Pituitary  |
|        | Thymus   |
|        | vering of heart is   |
| a      | Peritoneum   |
| -      | Pericardium  |
| С      | Perichondrium  |
|        | Pleural sac<br>rgest and thickest heart chamber is   |
|        | Adre a b c d The a b c d Hor a b c d The a b c d Fry a b c d Ery a b c d C d C d C d C d C d C d C d C d C d |

|      | a   | Left ventricle  |
|------|-----|---|
|      | b   | Left atrium   |
|      | С   | Right ventricle   |
|      | d   | Right atrium  |
| 18   |     | tabolic rate is controlled by                                 |
|      | a   | Liver   |
|      | b   | Thyroid   |
|      | С   | Pituitary   |
|      | d   | Pancreas  |
| 19   | Wh  | ich one is found in the alimentary canal of humans?           |
|      | a   | Pseudomonas   |
|      | b   | Rhizobium   |
|      | С   | Bacillus  |
|      | d   | Escherichia coli  |
| 20   | Ho  | rmone present in the urine in pregnancy                       |
| Y ye | a   | Progestorone  |
|      | b   | Follicle Stimulating Hormone                                  |
|      | С   | Leutinizing hormone   |
|      | d   | Chorionic gonadotrophin                                       |
| 21   | Me  | gakaryocytes take part in                                     |
|      | a   | Production of leucocytes                                      |
|      | b   | Production of platelets                                       |
|      | С   | Production of erythrocytes                                    |
|      | d   | Production of lymphocytes                                     |
| 22   | Blo | od protein that initiates clotting                            |
|      | а   | Thromboplastin  |
|      | b   | Prothrombin   |
|      | С   | Fibrinogen  |
|      | d   | Fibrin  |
| 23   | Pu  | rpura is a condition due to defect in                         |
|      | а   | Red Blood cells   |
|      | b   | Whie Blood cells  |
|      | С   | Platelets   |
|      | d   | Plasma  |
| 24   | Sys | stolic pressure coincides with                                |
|      | a   | Ventricular systole   |
|      | b   | Atrial systole  |
|      | C   | Ventricular diastole  |
|      | d   | Atrial diastole   |
| 25   | Ce  | ntre for sense of smell is                                    |
|      | a   | Cerebellum  |
|      | b   | Olfactory lobe  |
|      | С   | Pons  |
|      | d   | Midbrain  |
| 26   | Th  | e chemical mediating allergic response                        |
|      | a.  | Adrenaline  |
|      | b   | Nor adrenaline  |
|      | С   | Histamine   |
|      | d   | Acetylcholine the time of fertilization, chromosome number is |

|      | a    | Half  |
|------|------|---|
|      | b    | Becomes diploid   |
|      | C    | Remains haploid   |
|      | d    | Does not change   |
| 28   |      | ess production of growth hormone result in a condition called         |
|      | a    | Acromegaly  |
| **1  | b    | Gigantism   |
|      | C    | Pituitary dwarf   |
|      | d    | Cretinism   |
| 29   | 17.5 | mal adult hemoglobin is   |
|      | a    | Hemoglobin C  |
|      | b    | Hemoglobin A  |
|      | C    | Hemoglobin F  |
|      | d    | Hemoglobin S  |
| 30   |      | gan transplant rejection may be prevented by                          |
| 30   | a    | Antibodies  |
|      | b    | Immunosuppressive drugs   |
|      | C    | New T Cells   |
|      | d    | Immunostimulatory drugs   |
| 31   | Ph   | arynx is connected to tympanic cavity by                              |
| 01   | a    | Glottis   |
|      | b    | Gullet  |
|      | C    | Eustachian tube   |
|      | d    | Internal nares  |
| 32   |      | betes insipidus is a condition due to                                 |
| 32   | a    | Increased vasopressin   |
|      | b    | Decreased vasopressin   |
|      | C    | Increased insulin   |
|      | d    | Decreased insulin   |
| 33   |      | dycardia is a condition when  |
| 33   | a    | Heart rate is reduced   |
|      | b    | Heart rate is increased   |
|      | C    | Cardiac muscles are contracted  |
|      | d    | Cardiac muscles are relaxed   |
| 34   |      | centa in mammals is formed by   |
| 34   | a    | Allantois   |
|      | b    | Amnion  |
|      | C    | Yolk Sac  |
|      | d    | Chorion   |
| 35   | Th   | e constituent of blood which retain the fluid inside the blood vessel |
| -00  | a    | Globulin  |
|      | b    | Albumin   |
|      | C    | Hemoglobin  |
|      | d    | Clotting factors  |
| 36   |      | erease in intraocular pressure cause                                  |
| 33   | a    | Color blindness   |
|      | b    | Night blindness   |
|      | C    | Glaucoma  |
| 15.5 | d    | Cataract  |
| 37   |      | ain and spinal code develop from                                      |

|       | а                            | Endoderm   |  |  |  |  |
|-------|------------------------------|--|--|--|--|--|
|       | b                            | Mesoderm   |  |  |  |  |
|       | С                            | Ectoderm   |  |  |  |  |
|       | d                            | Dermatome  |  |  |  |  |
| 38    | Bil                          | rubin and biliverdin are the degradation products of   |  |  |  |  |
|       | a                            | Hemoglobin ·   |  |  |  |  |
|       | b                            | Myoglobin  |  |  |  |  |
|       | C                            | Albumin  |  |  |  |  |
|       | d                            | Plasma   |  |  |  |  |
| 39    | Cal                          | citonin is a hormone produced by   |  |  |  |  |
|       | a                            | Pancreas   |  |  |  |  |
|       | b                            | Kidney   |  |  |  |  |
|       | С                            | Pituitary  |  |  |  |  |
|       | d                            | Parathyroid  |  |  |  |  |
| 10    | Pri                          | ons are pathogens, which cause   |  |  |  |  |
| 11713 | a                            | Typhoid  |  |  |  |  |
|       | b                            | Yellow fever   |  |  |  |  |
|       | С                            | Creutzfeldt disease  |  |  |  |  |
|       | d                            | Syphilis   |  |  |  |  |
| 41    | Mu                           | mps is a viral disease with painful swelling of  |  |  |  |  |
| FRE   | a                            | Thyroid  |  |  |  |  |
|       | b                            | Thymus   |  |  |  |  |
|       | С                            | Sublingual glands  |  |  |  |  |
|       | d                            | Parotid glands   |  |  |  |  |
| 12    | Instrument for counting RBC  |  |  |  |  |  |
|       | a                            | Hematocrit increased wasourcess  |  |  |  |  |
|       | b                            | Hemocytometer  |  |  |  |  |
|       | С                            | Hemoglobinometer   |  |  |  |  |
|       | d                            | Hemogram   |  |  |  |  |
| 13    | He                           | Heart beat is initiated by   |  |  |  |  |
|       | a                            | AV node  |  |  |  |  |
|       | b                            | Bundle of His  |  |  |  |  |
|       | С                            | Purkinje fibers  |  |  |  |  |
|       | d                            | SA node  |  |  |  |  |
| 14    | A protein deficiency disease |  |  |  |  |  |
|       | a                            | Kwashiorkor  |  |  |  |  |
|       | b                            | Marasmus   |  |  |  |  |
|       | С                            | Pellagra   |  |  |  |  |
|       | d                            | Cheilosis  |  |  |  |  |
| 15    | For                          | Formation of blood cell is known as  |  |  |  |  |
|       | a                            | Hemolysis  |  |  |  |  |
|       | b                            | Rouleaux   |  |  |  |  |
|       | С                            | Hemopoiesis  |  |  |  |  |
|       | d                            | Phagocytosis   |  |  |  |  |
| 16    |                              | rease in number of RBC at higher altitude to compensate for  |  |  |  |  |
|       | a                            | High rate of destruction   |  |  |  |  |
|       | b                            | Lower turn over  |  |  |  |  |
|       | С                            | Low level of oxygen  Higher requirement of energy  |  |  |  |  |
|       | d                            | I THE CONTRACTOR OF THE PROPERTY OF THE PROPER |  |  |  |  |

|      | a                                    | Brain  |
|------|--------------------------------------|--|
|      | b                                    | Stomach  |
|      | С                                    | Ovary  |
|      | d                                    | Pancreas   |
| 48   | Lung                                 | gs have a large number of narrow tubes called  |
|      | a                                    | Alveoli  |
|      | b                                    | Bronchioles  |
|      | С                                    | Bronchi  |
|      | d                                    | Lingula  |
| 49   | Whi                                  | ch is correct about leucocytes   |
| 10.5 | a                                    | They are red colored   |
|      | b                                    | They can cross capillaries   |
|      | C                                    | They are anucleate   |
|      | 1                                    | Degreese in their number causes leukemia   |
| 50   | In D                                 | eoxy ribonucleic acid adenine binds with   |
|      | a                                    | Guanine  |
|      | b                                    | Cytosine   |
|      | C                                    | Thymine  |
|      | d                                    | Uracil   |
| 51   | Tet                                  | anus is caused by  |
|      | a                                    | Bacteria   |
|      | b                                    | Virus  |
|      | С                                    | Parasite   |
|      | d                                    | Fungus   |
| 52   | The                                  | number of chromosome pairs in human beings   |
|      | а                                    | 22   |
|      | b                                    | 23   |
|      | С                                    | 24   |
|      | d                                    | 26   |
| 53   | The                                  | e mode of inheritance of Christmas disease is  |
|      | a                                    | Autosomal Dominant   |
|      | b                                    | Autosomal Recessive  |
|      | С                                    | X Linked Recessive   |
|      |                                      |  |
|      | d                                    | X Linked Dominant  |
| 54   | d<br>The                             | e pigment which determines skin colour   |
| 54   | The a                                | Serotonin  |
| 54   | The                                  | Serotonin Melatonin  |
| 54   | a<br>b<br>c                          | Serotonin Melatonin Melanin  |
|      | a<br>b<br>c                          | Serotonin Melatonin Melanin Chapagan   |
| 54   | a<br>b<br>c                          | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is                                |
|      | The   a   b   c   d   Th   a         | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin A                     |
|      | a b c d Th                           | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin A Vitamin C           |
|      | The   a   b   c   d   Th   a   b   c | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin C Vitamin D           |
| 55   | The   a   b   c   d   Th   a   b   c | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin C Vitamin C Vitamin D |
|      | The   a   b   c   d   Th   a   b   c | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin C Vitamin D           |
| 55   | The   a   b   c   d   Th   a   b   c | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin C Vitamin D           |
| 55   | The   a   b   c   d   Th   a   b   c | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is  Vitamin C Vitamin D           |
| 55   | The   a   b   c   d   Th   a   b   c | Serotonin Melatonin Melanin Glucagon e vitamin required for calcium absorption is Vitamin C Vitamin C Vitamin D  |

|            | a                 | RBC   |
|------------|-------------------|---|
|            | b                 | WBC   |
|            | C                 | Platelets   |
|            | d                 | All of the above  |
| 58         |                   | nscription is the conversion of                                 |
|            | a                 | RNA to DNA  |
|            | b                 | RNA to protein  |
|            | C                 | DNA to RNA  |
|            | d                 | Protein to RNA  |
| 59         | 10                | solutination of blood refers to                                 |
|            | a                 | Clot formation  |
|            | b                 | Sticking together of RBCs                                       |
|            | C                 | Rupture of RBCs   |
|            | d                 | Inability to form clot  |
| -          |                   | mber of bones in adult human is                                 |
| 60         |                   | 306   |
|            | b                 | 204   |
|            | C                 | 206.  |
|            | d                 | 300   |
| 61         | -                 | rner's syndrome is  |
| 01         |                   | 46 XY   |
|            | a                 | 45 XO   |
|            |                   | 46 XX   |
|            | d                 | 47 XXY  |
| -          |                   |   |
| 62_        | SILVE SERVICE     | e muscle present in eye ball                                    |
|            | a                 | Stapedius   |
|            | b                 | Ciliary muscle Buccinator                                       |
|            | C                 |   |
|            | d                 | Interossei  |
| 63         |                   | e bone of the thigh region                                      |
|            | a                 | Humerus   |
|            | b                 | Fibula  |
|            | C                 | Femur   |
|            | d                 | Radius  |
| 64         |                   | e disease caused by point mutation  Thalassemia                 |
|            | a                 |   |
|            | b                 | Hemophilia Sickle cell anemia                                   |
|            | d                 | Hereditary spherocytosis  |
| <b>C F</b> |                   | e ABO blood group system was discovered by                      |
| 65         |                   | Landsteiner   |
|            | a                 | Weiner  |
|            | b                 | Pasteur   |
|            | d                 | Coombs  |
| CC         |                   | rombocytes are formed in  |
| 66         | The second second | Liver   |
|            | a                 |   |
|            | b                 | Spleen Muscle   |
|            | C                 |   |
|            | d                 | Bone marrow pe of WBC that is increased in parasitic infections |

|     | a   | Neutrophil  |  |  |  |  |
|-----|-----|---|--|--|--|--|
|     | b   | Basophil  |  |  |  |  |
|     | С   | Eosinophil  |  |  |  |  |
|     | d   | Lymphocyte  |  |  |  |  |
| 8   | The | type of immunoglobulin that crosses placenta                              |  |  |  |  |
|     | а   | IgA   |  |  |  |  |
|     | b   | IgM   |  |  |  |  |
|     | C   | IgG   |  |  |  |  |
|     | d   | IgE   |  |  |  |  |
| 59  | Pse | udostratified epithelium is found in                                      |  |  |  |  |
|     | a   | Trachea   |  |  |  |  |
|     | b   | Larynx  |  |  |  |  |
|     | C   | Nephron   |  |  |  |  |
|     | d   | Urinary bladder   |  |  |  |  |
| 70  | IfR | BC is placed in distilled water, they                                     |  |  |  |  |
|     | a   | Shrink  |  |  |  |  |
|     | b   | Stick together  |  |  |  |  |
|     | c   | Swell   |  |  |  |  |
|     | d   | Remain normal   |  |  |  |  |
| 71  |     | offer's cells are seen in   |  |  |  |  |
| 11  | a   | Brain   |  |  |  |  |
|     | b   | Kidney  |  |  |  |  |
|     | C   | Liver   |  |  |  |  |
|     | 1   | Chloen  |  |  |  |  |
| 72  | The | e majority of CO <sub>2</sub> in the body is transported to lungs as      |  |  |  |  |
| 12  | a   | Carbonates  |  |  |  |  |
|     | b   | Bicarbonates  |  |  |  |  |
|     | C   | Dissolved in blood  |  |  |  |  |
|     | d   | Attached to hemoglobin  |  |  |  |  |
| 73  | Th  | e respiratory centre is located in  |  |  |  |  |
| 10  | a   | Cerebellum  |  |  |  |  |
|     | b   | Spinal cord   |  |  |  |  |
|     | C   | Medulla oblongata   |  |  |  |  |
|     | d   | Diencephalon  |  |  |  |  |
| 74  | Ar  | Arteries carry oxygenated blood except for                                |  |  |  |  |
|     | a   | Cardiac   |  |  |  |  |
|     | b   | Systemic  |  |  |  |  |
|     | C   | Hepatic   |  |  |  |  |
|     | 4   | Pulmonary   |  |  |  |  |
| 75  | A   | person undergoing prolonged fasting will have in urine.                   |  |  |  |  |
| , , | a   | Fats  |  |  |  |  |
|     | b   | Amino acids   |  |  |  |  |
|     | C   | Glucose   |  |  |  |  |
|     | d   | Ketones   |  |  |  |  |
| 76  | Sa  | rcolemma is the membrane which covers                                     |  |  |  |  |
|     | a   | Muscle fibers   |  |  |  |  |
|     | b   | Nerve fibers  |  |  |  |  |
|     | C   | Viscera   |  |  |  |  |
|     |     | Spinal cord rkinson's disease is caused by degeneration of neurons that s |  |  |  |  |

|    | a   | Dopamine  |  |  |  |
|----|---|---|--|--|--|
|    | b   | GABA  |  |  |  |
|    | C   | Nor-epinephrine   |  |  |  |
|    | d   | Acetylcholine   |  |  |  |
| 78 |   | ich hormone has anti insulin effect?                        |  |  |  |
|    | a   | Cortisol  |  |  |  |
|    | b   | Aldosterone   |  |  |  |
|    | C   | Calcitonin  |  |  |  |
|    | d   | Oxytocin  |  |  |  |
| 79 | - Co.T. (7)                                     | conjugated bilirubin is also called                         |  |  |  |
|    | a   | Prehepatic bilirubin  |  |  |  |
|    | b   | Biliverdin  |  |  |  |
|    | -   |   |  |  |  |
|    | c<br>d  | Urobilinogen  Total bilirubin                               |  |  |  |
| 20 | Doc   | struction of all microorganisms including spores is called  |  |  |  |
| 30 |   | Sanitation  |  |  |  |
|    | a   |   |  |  |  |
|    | b   | Antisepsis Sterilization                                    |  |  |  |
|    | C   |   |  |  |  |
|    | d   | Disinfection  |  |  |  |
| 31 |   | e liquid portion of blood after a clot has formed is called |  |  |  |
|    | a   | Buffy coat  |  |  |  |
|    | b   | Serum   |  |  |  |
|    | С   | Plasma  |  |  |  |
|    | d   | Lymph   |  |  |  |
| 32 | Blo   | od group A individuals have                                 |  |  |  |
|    | a   | Anti A in serum   |  |  |  |
|    | b   | Anti H in serum   |  |  |  |
| -  | С   | Anti D in serum   |  |  |  |
|    | d   | Anti B in serum   |  |  |  |
| 83 | Which test cannot be performed in serum sample? |   |  |  |  |
|    | a   | Iron  |  |  |  |
|    | b   | Vitamin B 12  |  |  |  |
|    | С   | Total lipids  |  |  |  |
|    | d   | Clotting factors  |  |  |  |
| 34 | A b   | iohazard container is used to discard                       |  |  |  |
|    | a   | Lancet  |  |  |  |
|    | b   | Band aid wrapper  |  |  |  |
|    | С   | Both A and B  |  |  |  |
|    | d   | Food waste  |  |  |  |
| 85 | At  | est procedure that uses Westergren's tube is                |  |  |  |
|    | а   | Erythrocyte sedimentation rate                              |  |  |  |
|    | b   | Hematocrit  |  |  |  |
|    | С   | Reticulocyte count  |  |  |  |
|    | d   | Differential count  |  |  |  |
| 86 | Glycosylated Hb                                 |   |  |  |  |
|    | а   | Causes sickle cell disease                                  |  |  |  |
|    | b   | Causes Thalassemia  |  |  |  |
|    | 0   | Is affected by food intake on the day of testing            |  |  |  |
|    | C   | Indicates blood glucose levels from preceding months        |  |  |  |

| 87 | End | l products of protein digestion are                                 |
|----|-----|---|
|    | а   | Glycerol  |
|    | b   | Fatty acids   |
|    | C   | Triglycerides   |
|    | d   | Amino acids   |
| 88 | Wa  | ter free of charged particles is                                    |
|    | а   | Distilled   |
|    | b   | Radioactive   |
|    | С   | Deionized   |
|    | d   | Heavy   |
| 89 |     | ich is not an iron containing protein?                              |
|    | а   | Lactoferrin   |
|    | b   | Transferrin   |
|    | C   | Hemosiderin   |
|    | d   | Ceruloplasmin .   |
| 90 |     | pical lymphocytes are seen in                                       |
| 90 | a   | Malaria   |
|    | b   | Infectious mononucleosis  |
|    | C   | Hepatitis Hepatitis   |
|    | d   | HIV   |
| 91 |     | e symbiotic association of fungi and algae is called                |
| 91 | a   | Lichen  |
|    | b   | Mycorrhiza  |
|    | C   | Rhizome   |
|    | d   | Endomycorrhiza  |
| 92 | Th  | e difference between prokaryotic and Eukaryotic cells is            |
|    | a   | Cell wall   |
|    | b   | Nuclear membrane  |
|    | C   | Ribosome  |
|    | d   | None of these   |
| 93 |     | e entry of food into the larynx is prevented by                     |
| -  | a   | Diaphragm   |
|    | b   | Mitral valve  |
|    | C   | Epiglottis  |
|    | d   | Frenulum  |
| 94 | Os  | teoporosis, an age-related disease of skeletal system occur due to  |
|    | a   | Decreased level of estrogen   |
|    | b   | Accumulation of uric acid leading to inflammation of joints         |
|    | C   | Immune disorder affecting neuromuscular junction leading to fatigue |
|    | d   | High concentration of Calcium and Sodium                            |
| 95 | Hu  | man genome project (HGP) is associated with the rapid development   |
|    |     | a new area in biology called  |
|    | a   | Biotechnology   |
|    | ъ   | Bioinformatics  |
|    | С   | Biogeography  |
|    | d   | Bioscience  |
| 96 | Va  | ccine for tuberculosis is   |
|    | a   | PAS vaccine   |
|    | b   | BCG vaccine   |
|    | С   | DPT vaccine   |

|     | d   | OPV vaccine   |  |  |
|-----|---|---|--|--|
| 97  | Hig   | h value of BOD (Biological oxygen Demand) indicates that  |  |  |
|     | a   | Water is highly polluted                                  |  |  |
|     | b   | Water is less polluted                                    |  |  |
| Mil | С   | Consumption of organic matter is higher by the microbes   |  |  |
|     | d   | Water is nure   |  |  |
| 98  | Wh  | Which of the following disease is confirmed by Widal test |  |  |
|     | a   | Tuberculosis  |  |  |
|     | b   | Typhoid   |  |  |
|     | С   | Plague  |  |  |
|     | d   | Tetanus teminated water                                   |  |  |
| 99  | Which of the disease is not transmitted by contaminated water |   |  |  |
|     | a   | Typhoid   |  |  |
|     | b   | Diphtheria  |  |  |
|     | С   | Amoebiasis  |  |  |
|     | d   | Hepatitis A   |  |  |
| 100 | Co  | Corpus callosum connects                                  |  |  |
|     | a   | Two cerebral hemisphere                                   |  |  |
|     | b   | Two ventricles of brain                                   |  |  |
|     | С   | Two cerebellar hemisphere                                 |  |  |
|     | d   | Two optic thalamus  |  |  |