**The City School**

**North Nazimabad Boys Campus**

**Biology**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: 9\_**

**Q1. Match the following arteries with the organs in which they supply blood & write the correct answer in Column ‘C’.**

|  |  |  |
| --- | --- | --- |
| **Column A – Artery** | **Column B - Organs** | **Column C** |
| i) Pulmonary | a. Head and arms |  |
| ii) Renal | b. Lungs |  |
| iii) Hepatic | c. Legs |  |
| iv) Carotid | d. Kidney |  |
| v) Sciatic | e. Liver |  |

Q**.2. Choose the best answers:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Which of the following statements is true concerning human blood?** | | | | |  | |
|  | |  | | |  | |
|  | |  | | |  | |
|  | |  | **a)** | | **The blood of all normal humans contains red and white cells, platelets, and plasma.** | |
|  | |  | **b)** | | **Some human populations normally lack the ability to produce plasma.** | |
|  | |  | **c)** | | **Proteins are not normal components of human blood.** | |
| **Erythrocyte is another name for a:** | | | |  | |
|  |  | | |  | |
|  |  | | |  | |
|  | **a)** | | | **red cell** | |
|  | **b)** | | | **white cell** | |
|  | **c)** | | | **platelet** | |
|  |  | | |  | |
|  |  | | |  | |
|  | **Which of the following blood components provide the major defense for our bodies against invading bacteria and viruses?** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **red cells** | |  |
|  | **b)** | | | **white cells** | |  |
|  | **c)** | | | **platelets** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **The relatively clear liquid medium which carries the other cells of blood is called:** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **lipid** | |  |
|  | **b)** | | | **antibody** | |  |
|  | **c)** | | | **plasma** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **Which of the following are likely to increase in quantities when the body is under attack from bacteria?** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **erythrocytes** | |  |
|  | **b)** | | | **leukocytes** | |  |
|  | **c)** | | | **thrombocytes** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **When blood clumps or forms visible islands in the still liquid plasma, it is called:** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **clotting** | |  |
|  | **b)** | | | **agglutination** | |  |
|  | **c)** | | | **none of the above** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **Antigens are:** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **found on the surface of red cells** | |  |
|  | **b)** | | | **kinds of red cells that identify a blood type** | |  |
|  | **c)** | | | **relatively large carbohydrate molecules** | |  |
|  | **d)** | | | **a and b** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **Which of the following statements is true of antigen-antibody interactions?** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **They are used by our bodies only to identify blood types.** | |  |
|  | **b)** | | | **They are used to identify and reject microorganisms, such as virusesand bacteria, that invade our bodies.** | |  |
|  | **c)** | | | **They are the way our blood clots when we are bleeding from an open wound.** | |  |
|  | **d)** | | | **b and c** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **Most of the volume of normal human blood is composed of:** | | | | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |
|  | **a)** | | | **red cells** | |  |
|  | **b)** | | | **hemoglobin** | |  |
|  | **c)** | | | **plasma** | |  |
|  | **d)** | | | **white cells** | |  |
|  |  | | |  | |  |
|  |  | | |  | |  |