DENTAL SEC B PHYSIOLOGY, 2ND SEMESTER

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Attempt all questions. Every question carry 10 marks.

Q1. Write the functions and composition of blood?

Q2. What is erythrocyte, erythropoiesis, erythrocytosis and erythropenia?

Q3. What is platelets and write about clotting mechanism and its all steps?

Q4. Write a note on ABO system?

Q5.(i) A person fell down from a tree and become unconscious, with bleeding from head, what will you do as a first aid?

(ii) you have to meet with your friend and you came to know he is covid positive, what precautionary measures will you take?

Name Rafiullah dt

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Sec b

2 sammester dt final term

1Qustion write the function and composition of blood?

 Ans function :blood is type of conective tissue that blood can trasport of a materail like respiration excrection regulation eg nutrien trasport gas tarsport etc

Compostion the blood manly composed of liquid like plasama and other fromed elements the total volume of blood is 6to 8 % of body weight liquid palasama 55% 60 formed element are 40% 45 formed element are Rbc wbc platlets

**2 Qustion what is erythrocytes erythropoieses erthrocytosis erythropenia .?**

**1Erythropoieses) is the process which produces red blood cells, which is the development from erythropoietic stem cell to mature red blood cell. It is stimulated by decreased O₂ in circulation, which is detected by the**

**kidneys, which then secrete the hormone erythropoietin**

**Erythrocytosis**

 **increase in red blood cell (RBC) mass, usually absolute, and is also associated with an increased hematocrit (HCT) and hemoglobin concentration. Although some use the term polycythemia interchangeably with erythrocytosis, the two are not synon**

**Eythropenia defesence of Rbc are known as**

**Erythroctes is type of cell that made in humman body marrow and found in the blood. Erythrocytes contain a protein called hemoglobin, which carries oxygen from the lungs to all parts of the body. ... Also called RBC and red blood cell. Enlarge. Blood**

**3Qustion**  What is platelets and write about clotting mechanism and its all steps?

Ans platelets : are also called thrombocytes are a component of blood whose function is to react bleeding from vessels and blood to clothing the life spane is 10 days

**Clothing mecanhism coalthing mean cloting blood change from liquid to gels after injury to the blood vessels which demage endothlim lining cells vesseles to stop bleeding**

**Types types of clots:**

**Arterial clots are those that form in the arteries. Once arterial clots form, they cause symptoms immediately. ...**

**Venous clots are those that form in the veins. Venous clots typically**

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**4Qustion write note on abo system ?**

**Ans blood grouping system ;**

**ABO blood group system, the classification of human blood based on the inherited properties of red blood cells (erythrocytes) as determined by the presence or absence of the antigens A and B, which are carried on the surface of the red cells.**

 **ABO system**

**O is 47% was presented by dr karl land stenier in 1900**

**A is 41%**

**B is 9%**

**AB is 3%**

**5 Qustion** Q5.(i) A person fell down from a tree and become unconscious, with bleeding from head, what will you do as a first aid?

(ii) you have to meet with your friend and you came to know he is covid positive, what precautionary measures will you take?

**Ans 1() A person fill down from tree we need first to give a first aid treatment like cover a head with bandege gazz and give pain killer tablets and tabelts of to make viscocity more stables**

**Ans 2 first if you know to a person who in corona you dont go where and after that if emergence you need to go first wear gloves mask social distance etc**

 **( End)**