



قائمة الاسئلة 2025-04-13 09:00

علم الدم - (414203) - المستوى الرابع - تخصص علم الاحياء - كلية العلوم - الفترة الثانية - درجة الامتحان (30)

ندى محمد الهمداني

- 1) Erythroblastosis fetalis can be avoided by administering anti-Rh antibodies to the mother immediately after the delivery of the second child
 - 1) - Correct answer
 - 2) ☒ Wrong answer
- 2) A process occurs when an antigen is reacted with its corresponding antibody
 - 1) - Agglutinin
 - 2) ☒ Agglutination
 - 3) - Agglutinin
 - 4) - All answers are false
- 3) Special body fluid that circulates in the vascular system
 - 1) - The lymph
 - 2) ☒ The blood
 - 3) - The blood and lymph
 - 4) - All answers are false
- 4) The average 7.35- 7.45 is theof the blood
 - 1) - Specific gravity
 - 2) - Viscosity
 - 3) ☒ pH
 - 4) - volume
- 5) A Scientist discovered human blood groups called
 - 1) - Alfred von Decastello
 - 2) - Jan Junsy
 - 3) - Adriano Stuli
 - 4) ☒ Karl Landsteiner
- 6) More than 90% of plasma compositions is water and it also contains
 - 1) ☒ clotting factors
 - 2) - cholestrol
 - 3) - leukocytes
 - 4) - platelets
- 7) A type of blood group considered as universal recipient
 - 1) - A
 - 2) - B
 - 3) ☒ AB
 - 4) - O
- 8) Blood group type A has Antigen in its RBC's surface and Antibodies in its plasma
 - 1) - B/a
 - 2) ☒ A/b
 - 3) - D/a
 - 4) - A/d
- 9) Fibrinolysis is a normal body process, prevents blood clots that occur naturally from growing and causing problems
 - 1) ☒ Correct answer
 - 2) - Wrong answer
- 10) The autoimmune disease (rheumatoid arthritis) and hepatitis cause
 - 1) ☒ Leukopenia



- 2) - Leukocytosis
- 3) - Anemia
- 4) - Thalassemia
- 11) Osmotic fragility of RBCs decreased in
 - 1) ☒ Thalassemia
 - 2) - Iron deficiency anemia
 - 3) - Sickle cell anemia
 - 4) - All answers are corrects
- 12) A disease results in an abnormal increase in RBCs due to over production of RBCs in bone marrow not caused by physiological need
 - 1) - Polycythemia vera
 - 2) ☒ Polycythemia
 - 3) - Anemia
 - 4) - Thalassemia
- 13) Which test is used for evaluating the inflammatory or acute response in human
 - 1) ☒ ESR
 - 2) - PCV
 - 3) - HLA Typing
 - 4) - CBC
- 14) There are several types of Vacutainer blood collecting tube used for the same purpose
 - 1) - Correct answer
 - 2) ☒ wrong answer
- 15) The normal platelets count is
 - 1) ☒ 150000-450000 /microliter blood
 - 2) - 270 million /microliter blood
 - 3) - 4.5–6.3 million /cm³
 - 4) - 4000 to 11000 cells/microliter blood
- 16) One of the granulocytes that kill parasites, cancer cells and involved in allergic response
 - 1) - Basophils
 - 2) - Neurophils
 - 3) ☒ Eusinophils
 - 4) - All answers are wrong
- 17) Building RBCs requires
 - 1) - Vitamin B12, B9, follic acid
 - 2) - iron
 - 3) - Amino acids
 - 4) ☒ All the answers are correct
- 18) The formation of RBCs in bone marrow is called.....which is under the responses of.....hormone
 - 1) ☒ erythropoiesis/erythropoietin
 - 2) - erythropoietin/erythropoiesis
- 19) RBCs formed in bone marrow by stem cells called
 - 1) - megakaryoblast
 - 2) - lymphoid progenitor cell
 - 3) ☒ hematocytoblast
- 20) All the following are functions of the plasma except
 - 1) - Redistributing water to where it is needed in the body
 - 2) - Has role in waste removal from cells
 - 3) - Keeping blood pressure normal
 - 4) ☒ Has yellowish colour due to the presence of bilirubin



- 21) The platelets are essentially fragments of that are released into the blood to help in clot formation
- 1) ☒ megakaryocytes
 - 2) ☐ hematocytoblast
 - 3) ☐ hematopoietic stem cells
 - 4) ☐ myeloid stem cells
- 22) They are type of WBCs that involved in cell mediated immunity
- 1) ☒ T lymphocytes
 - 2) ☐ B lymphocytes
 - 3) ☐ T & B lymphocytes
- 23) B lymphocytes characterized as it
- 1) ☒ has a short life span
 - 2) ☐ do not produce antibodies
 - 3) ☐ mature in thymus
 - 4) ☐ move to site of infection
- 24) Prothrombin in a clotting factor protein known as
- 1) ☐ Factor I
 - 2) ☒ Factor II
 - 3) ☐ Factor IV
 - 4) ☐ Factor III
- 25) Coagulation cascade include which starts when blood leaks out of a vessel and encounters tissue factor
- 1) ☒ the extrinsic pathway
 - 2) ☐ the intrinsic pathway
 - 3) ☐ the common pathway
- 26) The common pathway may result after the activation of Factor
- 1) ☐ IX
 - 2) ☒ X
 - 3) ☐ XI
 - 4) ☐ XII
- 27) Blood transfusion, intravenous fluids, phototherapy, help in breathing and exchange transfusion are treatment for Erythroblastosis fetalis
- 1) ☐ before birth
 - 2) ☒ after birth
 - 3) ☐ during pregnancy
- 28) The ABO gene is located on chromosome
- 1) ☐ 8
 - 2) ☐ 7
 - 3) ☒ 9
 - 4) ☐ 12
- 29) Is a plasma protein has role in bilirubin transport called
- 1) ☐ Fibrinogen
 - 2) ☐ Globulins
 - 3) ☒ Albumin
 - 4) ☐ Prothrombin
- 30) Age, Sex, Temperature, Smoking, and pregnancy are factors affect
- 1) ☐ Erythrocyte count
 - 2) ☒ ESR
 - 3) ☐ PCV
 - 4) ☐ platelets count