

Question bank of Practical Hematology

General Biology Department-College of Science

4th Year Students

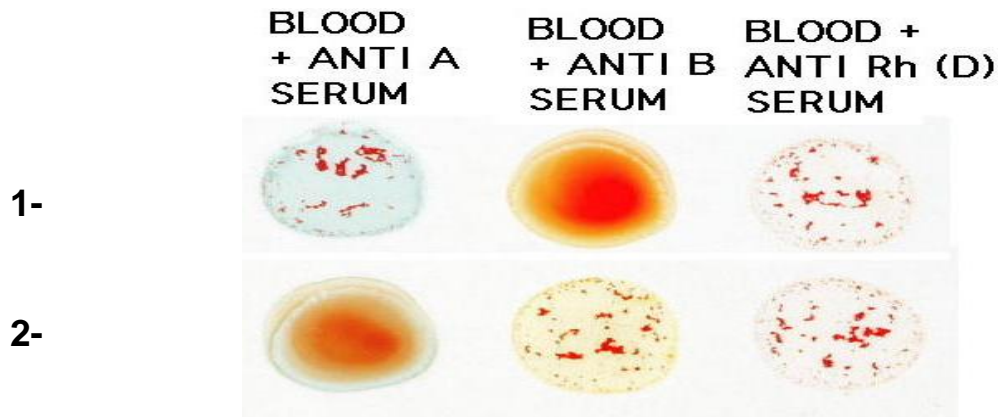
Natheer Jameel Yaseen

Q1) Write use (Advantage) of the followings in the lab:

1. Heparin.
2. Micro-centrifuge.
3. Microhematocrit Reader.

Q2) Define Sahli 20 μ l capillary pipettes.

Q3) Identify the following blood group:



Q4) Type of blood group depends on what?

Q5) Why we used HCl in Hb measurement.

Q6) Count uses of Hemacytometer.

Q7) Count blood group systems.

Q8) Mention the medical (clinical) Advantage of Veinpuncture.

Q9) Define Hematocrit test.

Q10) Write about Prevention of Hemolysis.

Q11) What is (clinical) Advantage of Hemoglobin estimation test.

Q12) What is Rh factor.

Q13) Write the normal value of the P.C.V. test in men.

Q14) What is the ratio of Water in blood plasma.

Q15) Write the function of the Following parts of the Microscope

1. Ocular lens.
2. Stage

Q16) Write the normal value of the Hemoglobin in women.

Q17) What is the Time of tying (fastening) of tourniquet during blood sampling.

Q18) For how long time we can Storage of plasma at room temperature?

Q19) Calculate the total number of Red blood cells in a patient blood if the number of R.B.Cs. counted in 5 squares is 600 cells.

Q20) Identify the following blood groups:

1-



2-



Q21) Choose the suitable answer from the given choices:

(Hypochromic anemia, Partial Thromboplastin Time, Ammonium oxalate, Thrombocytopenia, Sodium oxalate, Thrombocythemia, Turkey's solution, Fibrinogen, Macrocytosis, Platelet number, Prothrombin Time test, average quantity of hemoglobin in each RBC, Iron deficiency anemia, Thalassemia minor, Inflammation, RBC thoma Pipette, Platelet Plague, Albumin, hypothermia)

1- _____ diluent solution is used in the lab for Platelet count.

2- A high platelet count is called_____.

3- Clinical advantage of ESR test is to detect _____.

4- In abnormal conditions, RBCs form rouleaux due to increase of_____.

5- _____ cause increase in ESR result.

Q22) What is MCV test.

Q23) Write the normal value of the R.B.C. count in men.

Q24: Define Clotting time test.

Q25) Bleeding Time test according to IVY method

Q26) Write the normal value of the RDW test.

Q27) Calculate the total number of White blood cells in an Adult person's blood when the number of W.B.Cs. counted in 2 large squares is 150 cells, and then make assessment for the result if you know that the person has no any kind of disease and have no Physical nor emotional stress.

Q28) Capillary bloods puncture is used for what?

Q29) Mention the Medical Advantage of Blood typing test.

Q30) Count types of Anticoagulants.

Q31) Write the normal value of the Bleeding Time test according to IVY method.

Q32) Write the normal value of the R.B.C. count in women.



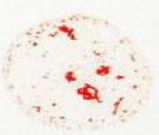
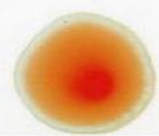
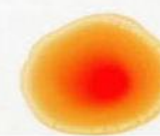
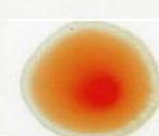
Q33) Mention the Clinical Advantage of Hematocrit test.

Q34) Write Name of the followings in the hematology lab.



Q35) Calculate the total number of Red blood cells in a blood sample if the number of R.B.Cs. counted in 32 small sized squares is 300 cells and make interpretation for the result. (14 Marks)

Q36) Identify the following Blood groups

	BLOOD + ANTI A SERUM	BLOOD + ANTI B SERUM	BLOOD + ANTI Rh (D) SERUM
1-			
2-			

Q37) Write Name of the followings in the hematology lab.

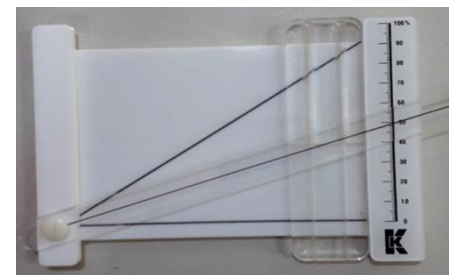


Q38) Write Use of the followings in the hematology lab



Q39) What is the normal Value of Hemoglobin in Newborns.

Q40) Write Name and use of the followings in the hematology lab



Q41) What is the normal Value Solids in blood plasma

Q42) Identify the following

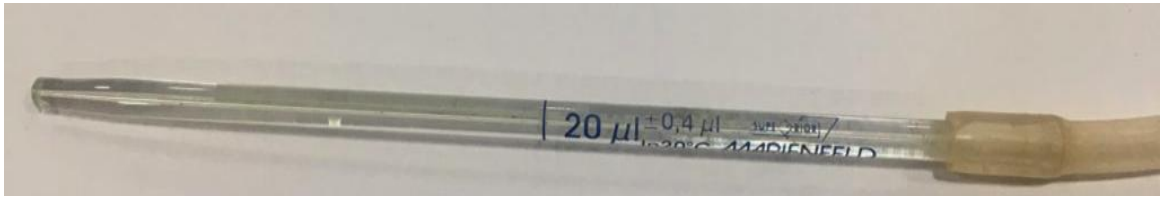


Q43) Enumerate the Types of formed elements in the blood.

Q44) Count Functions of WBCs.

Q44) What are the main types of WBCs?

Q45) Identify the following:

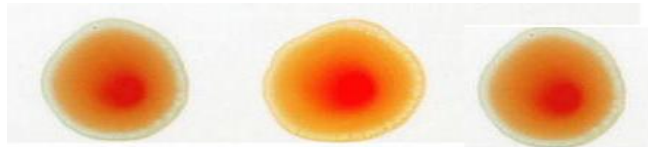


Q46) What is the Time within it should serum separated?

Q47) What is the Time needed for centrifugation of blood sample in P.C.V.?

Q48) Identify the following blood groups:

1-



2-



Q49) Write the Normal value of the followings:

- 1. P.C.V. test in men.**
- 2. Formed elements in blood.**
- 3. Hemoglobin in Ten years child.**

Q50) Define EDTA.

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