

Katho SGO

Cust Blood + RBC

Set

Azra Naheed Medical College  
MBBS 4<sup>th</sup> Year  
(Special Pathology)  
Blood

(RBC)

Total marks 25

New paper

Blood

Refined

Q 1 A 13 year old female presented to OPD with the history of shortness of breath, tightness, and inability to concentrate. On examination, she looks pale and fatigued. Her CBC shows microcytosis, anisocytosis and hypochromia. Hb level is 8 gram/dl. MCV is 60fl.

What is the most probable diagnosis. 1

Iron def. Anemia

What are different causes of this kind of disease. 2

649 → 651  
Key to UHS

What is the morphological classification of this disease, 2

Micro. Norm. Extrinsic, intrinsic  
→ 652 + 29 Key to UHS

Q 2 Write a note on sickle cell anemia (5)

Q 3 A 6 month old baby was brought to the opd by his mother with a complain of poor feeding, failure to thrive for 2 month. On examination baby is irritable and pale. His labs show severely low Hb, and microcytic hypochromic anemia.

What is most likely diagnosis. 1

Thalasemia

What are its different types, 2

642

What is the diagnostic tool available. 1

What are the complications of this disease. 1

38 uhs  
due to iron overload (rod) + sec hfe

Q 4 A 16 years old girl comes to OPD with the complaints of numbness and tingling sensation in hands and legs. She has pale discolouration of eyes.

What investigation you would order to start with and what will be the peripheral smear picture. 1, 2

What is the suspected diagnosis. 1

vit. B12 def. (Pernicious Anemia)

What are different causes of this disease, 1

Q 5. define hereditary spherocytosis (2)

632

clinical features in spherocytosis (1.5)

633  
splenomegaly, osmotic fragility test

lab investigations in hereditary spherocytosis (1.5)

38 Key to UHS

Q. 1 (A)	Q. 1	Q. 1	Q. 1
		(A)	(A)
Q. 2 (B)	A	(B)	(B)
	B	(C)	(C)
Q. 3 (C)			
(V)	C		