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Answer Sheet No	
2.9	•
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HAEMATOLOGY AND BLOOD BANKING HSSC-II <u>SECTION - A (Marks 10)</u>

Circi (i)		orrect option i.e. A / B / C / D. Each part blood cells that transport oxygen and elev					
•			rate cart	oon dioxide are:			
		Lymphocytes	В.	Red blood cells			
	. C .	Platelets	D.	White blood cells			
(ii)	The	earliest cell in the granulocyte series is _					
	A.	Promyelocyte -	В.	Metamyelocyte			
	C.	Myelobiast	D.	Myelocyte			
(iii)	Varia	ation in shape of RBC is termed as					
	A.	Anisocytosis	В.	Poikilocytosis			
	C.	Polychromasia	D.	Acanthosis			
(iv)	Folat	e deficiency can cause	_				
	A.	Hemolytic anaemia	В.	Megaloblastic anaemia			
	C.	Aplastic anaemia	D.	None of these			
(v)	Retic	eticulocytosis is a feature of					
	A.	Aplastic anaemia	B.	Hemolytic anaemia			
	C.	Microcytic anaemia	D.	Macrocytic anaemia			
(vi)	The i	immunoglobulin immediately produced by	active i	nfection is			
	A.	lg G	В.	lg A			
	C.	lg D	D.	lg M			
(vii) He		nophilia A is due to the deficiency of coagulation					
	A.	Factor VII	В.	Factor IX			
	C.	Factor II	D.	Factor VIII			
(viii)	Proth	Prothrombin time (PT) is a measure of					
	A.	Intrinsic pathway of coagulation	B.	Extrinsic pathway of coagulation			
	C.	Both A and B	D.	None of these			
(ix)	Red	Red cell antibodies can cause					
	A.	Febrile transfusion reactions	B.	Post transfusion purpura			
	C.	Hemolytic transfusion reaction	D.	None of these			
(x)	Plate	let should be stored at					
	A.	8^o centigrade	В.	20-24° centigrade			
	C.	-40^o centigrade	D.	None of these			



HAEMATOLOGY AND BLOOD BANKING HSSC-II



Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any twelve parts from Section 'B' and any two questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet—B if required. Write your answers neatly and legibly.

SECTION - B (Marks 24)

- Q. 2 Answer any TWELVE parts. The answer to each part should not exceed 2 to 4 lines. $(12 \times 2 = 24)$
 - (i) What are the storage requirements of various blood components?
 - (ii) What is bone marrow aspiration?
 - (iii) Give the principle of sickling tgest.
 - (iv) What are the components of complete blood cound (CBC)?
 - (v) What is Hematocrit?
 - (vi) What is Hemoglobin?
 - (vii) What are the types of anaemia?
 - (viii) What are the symptoms of thrombocytopenias?
 - (ix) Name blood parasites.
 - (x) What are the different types of Leukaemias?
 - (xi) Give the principle of Reticulocyte count.
 - (xii) Name major blood groups.
 - (xiii) Give the method of Coomb's test.
 - (xiv) Give the principle of Prothrombin Time.

SECTION - C (Marks 16)

Note: Attempt any TWO questions. All questions carry equal marks. (2 x 8 = 16)

- 2.3 Describe the different stages of Erythropoiesis.
- Q. 4 Give the classification and aetiology of Anaemia.
- 2.5 What is blood donar selection criteria?