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Answer Sheet No	
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HAEMATOLOGY AND BLOOD BANKING HSSC-II SECTION - A (Marks 10)

<u>lime a</u>	llowed: 10 Minutes
NOTE:	Section-A is compulsory. All parts of this section are to be answered on the question paper itself it should be completed in the first 10 minutes and handed over to the Centre Superintendent
	Deleting/overwriting is not allowed. Do not use lead pencil.

(i)	The blood cells that transport oxygen and elevate carbon dioxide are:					
	A.	Lymphocytes	В.	Red blood cells		
	C.	Platelets	D.	White blood cells		
(ii)	The earliest cell in the granulocyte series is					
	A.	Promyelocyte	B.	Metamyelocyte		
	C.	M yelobiast	D.	Myelocyte		
(iii)	Variation in shape of RBC is termed as					
	A.	Anisocytosis	В.	Poikilocytosis		
	C.	Polychromasia	D.	Acanthosis		
(iv)	Folate deficiency can cause					
	A.	Hemolytic anaemia	B.	Megaloblastic anaemia		
	C.	Aplastic anaemia	D.	None of these		
(v)	Retic	ulocytosis is a feature of				
	A.	Aplastic anaemia	В.	Hemolytic anaemia		
	C.	Microcytic anaemia	D.	Macrocytic anaemia		
(vi)	The immunoglobulin immediately produced by active infection is					
	A.	lg G	B.	lg A		
	C.	lg D	D.	lg M		
(vii)	Hemo	ophilia A is due to the deficiency of coa	gulation _	*		
	A.	Factor VII	B.	Factor IX		
	C.	Factor II	D.	Factor VIII		
(viii)	Proth	rombin 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	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	B.	$20-24^o$ centigrade		
	C.	-40^o centigrade	D.	None of these		
For Ex	amine	r's use only:				
			Total Marks:			
			Marks Obtained:			

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 x 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)

- Q. 3 Describe the different stages of Erythropoiesis.
- Q. 4 Give the classification and aetiology of Anaemia.
- Q. 5 What is blood donar selection criteria?

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