CAMEDIATE AND				
	Roll No.			
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Answer	Sheet No.	

Sig. of Invigilator.

3 %

HAEMATOLOGY AND BLOOD BANKING HSSC-II

:	allowed: 10 Minutes Section—A is compulsory. All parts of this section are to be answered on the question paper itsel It should be completed in the first 10 minutes and handed over to the Centre Superintenden Deleting/overwriting is not allowed. Do not use lead pencil.					
	Circle	the co	rrect option i.e. A / B / C / D. E	ach part carries	one mark.	
((i)	Blood	l is histologically graded as:			
		A.	Epithelial tissue	В.	Nervous tissue	
		C.	Connective tissue	D.	Muscular tissue	
((ii)	The c	organ which regularize the conti	nuous flow of bloc	od in body is:	
		A.	Kidney	В.	Brain	
		C.	Heart	D.	Lungs	
((iii)	The	cells having kidney shaped nuck	eus with coa <mark>rse g</mark>	ranules masking it is ca	alled:
		Α.	Pronormoblast	В.	Reticulocyte	
		C.	Basophil	D.	Lym p hocyte	•
((iv)	Imma	iture RBC's stained with supravi	ital stain are call <mark>e</mark>	d as:	
		A.	Pronormoblast	В.	Reticulocyte	
		C.	RBC's	D.	WBC's	
((v)	How	many haem groups are there in	haemoglobin?		
		A.	4	В.	1	
		C.	3	D.	2	
((vi)	What	is the bore size of ESR tube in	westergren's met	thod?	
		A.	1 mm	В.	5 mm	
		C.	1.5 m m	D.	2.5 mm	
((vii)	Disea	ase caused by plasmodium is:			
		A.	Typhoid	В.	Malaria	
		C.	influenza	D.	Sore throat	
((viii)	Roule	ex formation is an important fact	or effecting:		
		A.	TLC	В.	PCV	
		C.	ESR	D.	MCH	
((ix)	Whic	h of the following is not included			
•	` ,	Α.	ВТ	В.	PT	
		C.	APTT	D.	ICT	
((x)	Plate	lets are stored at:	_,		
	` ,	Α.	-10° C to −20° C	В.	10°C to 20°C	
		C.	30°C to 40°C	D.	20°C to 24°C	
F	For Ex	xamine	er's use only:			
			-	Tota	l Marks:	10
				Mort	Marks Obtained:	
				IVIÇA I P	- www.ifew.	



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 features of polychromatic normobiast and lymphoblast?
 - (ii) Write normal values of WBC's, RBC's and Platelets.
 - (iii) Write down procedure of wintrobe method for ESR.
 - (iv) What is clinical significance of ESR?
 - (v) What is clinical significance of thrombocytopenia?
 - (vi) Define ovalocyte and prickle cell.
 - (vii) What are laboratory findings of haemolytic anemia?
 - (viii) Name different malarial parasites.
 - (ix) Write procedure of clotting time.
 - (x) Write a note on haemoglobin.
 - (xi) Enumerate anticoagulants.
 - (xii) What are clinical indications for bone marrow aspiration?
 - (xiii) Enumerate types of leukemia.
 - (xiv) What is Rh-typing?
 - (xv) Explain tube method for Rh-typing.
 - (xvi) Enumerate transfusion reactions.

SECTION - C (Marks 16)

NOTE:		Attempt any 1 wo questions. All questions carry equal marks.	$(2 \times 8 = 16)$	
Q. 3	a. Write a note on methods of obtaining bone marrow.		(04)	
	b.	Explain chronic myeloid leukemia.	(04)	
Q. 4	Wha	t is X-match, write down its types and explain major X-match in detail.	(80)	
Q. 5	a.	Write a note on characteristics of malarial parasite.	(04)	
	b.	Explain Osmotic fragility test. Write down its significance.	(04)	