

(1)

Date: \_\_\_/\_\_\_/20\_\_\_

Day: MTWTFSS

Q1 Ans

The RBCs destruction occur due to blood transfusion when the mother RH is negative and father RH is positive blood. her immune system will make Antibodies which attack all people have different blood group and different RH (A, B, AB, or O) Due to "D" antibodies which is present on the surface of RBCs.

→ There can be problem if the mother and baby have separate blood group and different Rh than RBCs destruction occur. When the mother blood RH is negative and father RH is positive

Date: \_\_\_/\_\_\_/20\_\_\_

2

Day: MTWTFSS

If the baby blood  
RH is positive Just  
like father this can  
be issue. If the  
baby RBC cross the  
placenta If the RH  
negative mother immune  
See the RH positive  
baby RBCs.  
Her make antibodies  
to fight and  
destruction occur and  
also fetal death.

Q24: Single donor platelets:-

Apheresis machine are made by the donor Single platelet. equivalent of is one unit of Donor Single platelet is (5 to 10) of Random Donor platelets.

→ Apheresis platelets are usually called Single Donor platelets.

With an automated from a Single donor collected. cell separator. usually Donor have in (iv) line in each of the arm.

Approximately 400 upto 500 ml of blood refined over 1.5 to 2 hours. contain a maximum concentrate of  $3.0 \times 10^{11}$  platelets.

P. T. O.

They can stock up to five days - ~~inferior~~ inferior the same action, position as donor random platelets concentration.

→ Few Improvement of Single donor platelets.

→ less separate and inventory.

→ Minor donor risk and fewer look back.

→ leukocyte diminish during gather up.

→ Fewer Contagion red blood cell disqualify

need for "Rhlg"

→ Apheresis platelets have greater processing

Fee than random donor platelets.

Random donor platelets  
 → Random donor platelets  
 are adopted from  
 blood donated with in  
 4 - upto 6 hours of  
 collection @ by diverging.  
 and it contains around  
 $5.5 \times 10^{10}$  platelets.

→ Platelets rich plasma  
 is disconnect from red  
 blood cell by efferent  
 at a less "G" forces  
 with in four hours  
 behind the donation.

→ platelets are made up  
 whole blood are often  
 indicate to as random  
 & donor platelets concentrates

The lasting platelets concentrate  
 contain between  $3.5'$  and  
 $8.5' \times 10^{10}$  platelets

delay in about 30ml of  
 plasma, round about 2%  
 original in whole  
 blood.

Date: \_\_\_/\_\_\_/20\_\_\_

Page 04

Day: M T W T F S

One downside of random donor platelets is that the focus contains  $10$  to  $10^9$  white blood cell or about 30% of the leukocytes.

Q3 AU

→ Forward and Reverse ABO Blood grouping.

	Reaction of cell Tested with.		Reaction of Serum Tested against		ABO group.
	Anti A	Anti B	A cells	B cells	
1	0	0	+	+	O
2	+	0	0	+	A
3	0	+	+	0	B
4	+	+	0	0	AB