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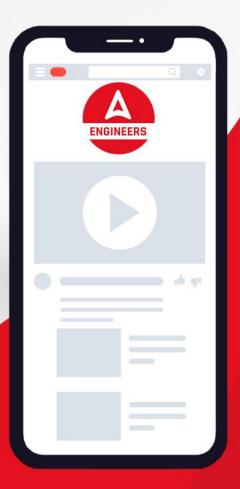






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Which one of the following is the smallest endocrine gland in human body?

- A. Adrenal
- **B.** Thyroid
- **C.** Pituitary
- D. Pancreas



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S. Young Kumar 20 hours ago

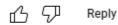
Pituitary gland is situated in the depression of sphenoid bone in fore head, this is called sella tersica.

Weight- 0.6 gm approx

This is also known as master gland, controlled by Hypothalamus



Deepmani Bhardwaj 0 seconds ago Absolutely correct 🙂





Nisha Arya 20 hours ago

Ans=pineal gland

The endocrine glands are ductless thus they discharge their secretions directly into the blood like thyroid glands. Pituitary glands, etc



Deepmani Bhardwaj 0 seconds ago
Absolutely correct : Nisha but acc to question just check what will be the ans?



Piyush Mechanical 20 hours ago
hw- smallest endocrine gland is pineal gland



Deepmani Bhardwaj 1 second ago

Absolutely correct : Piyush but acc to question just check what will be the ans?





Dharmraj Kumar 20 hours ago

The smallest gland found in the body of a human being is the pineal gland. It is situated at the dorsal side of the forebrain and originates from the embryo's ectoderm. The weight of a pineal gland is 150 milligrams. The prime role of the pineal gland is to balance the rhythm of the body and secrete melatonin hormone.

Read more



Deepmani Bhardwaj 0 seconds ago

Absolutely correct U Dharmraj but acc to question just check what will be the ans?





H.W ANS = C

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Kiran Kumari 20 hours ago Smallest endocrine gland Pituitary gland

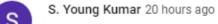








- Deepmani Bhardwaj 1 second ago Absolutely correct :
 - △ 7 Reply



Which of the following is the smallest endocrine gland in human body Pituitary gland.



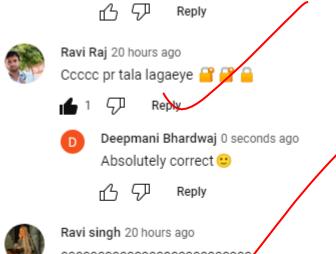
Deepmani Bhardwaj 1 second ago Absolutely correct 🙂





1 √ Reply

Deepmani Bhardwaj 0 seconds ago Absolutely correct 🙂



ccccccccccccccccccccccccccccc



Deepmani Bhardwaj 1 second ago Absolutely correct :



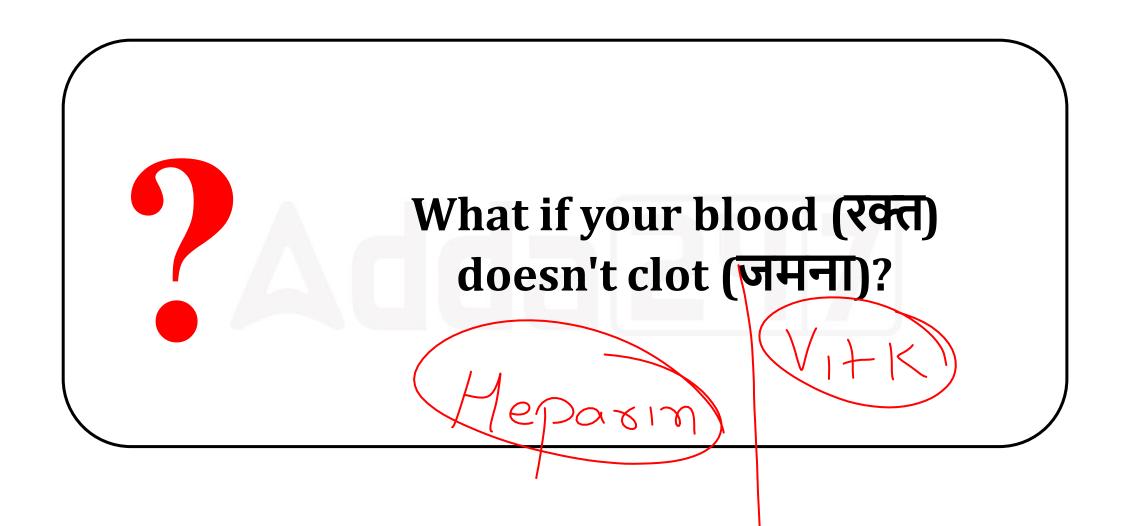
Which one of the following is the smallest endocrine gland in human body?

- A. Adrenal
- **B.** Thyroid
- C. Pituitary
- D. Pancreas



HUMAN CIRCULATORY SYSTEM मानव परिसंचरण तंत्र





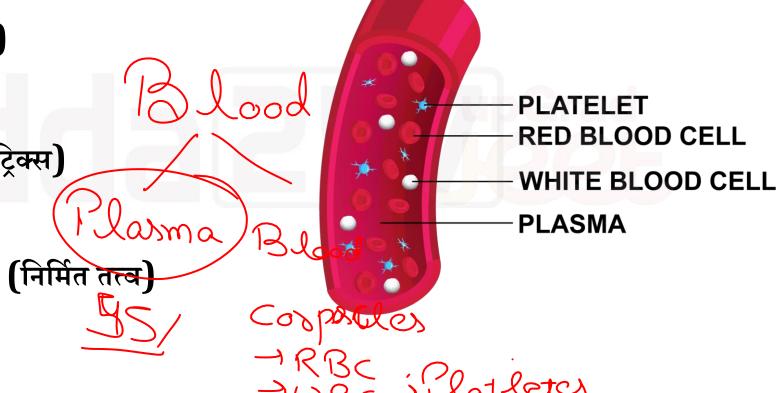


BLOOD AND ITS COMPONENTS रक्त और इसके संघटक



• Blood (रक्त): Special connective tissue (विशेष संयोजी ऊतक)

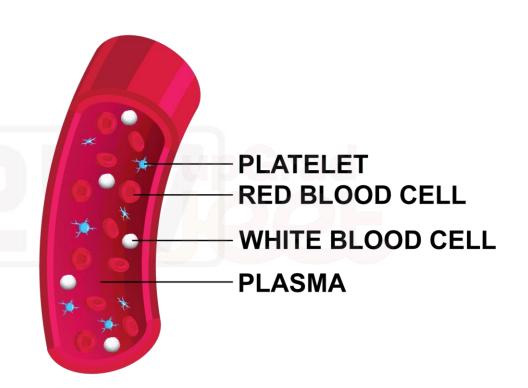
- Consists of:
 - Fluid matrix (द्रव मैट्रिक्स)
 - Plasma (प्लाज्मा)
 - Formed elements (নি





Plasma:

- Viscous fluid (चिपचिपा द्रव) constituting nearly
 55 per cent of the blood
- चिपचिपा द्रव रक्त का लगभग 55 प्रतिशत बनता है
- 90-92 percent water
- 6-8 percent proteins
- Major proteins: Fibrinogen, globulins and albumins /





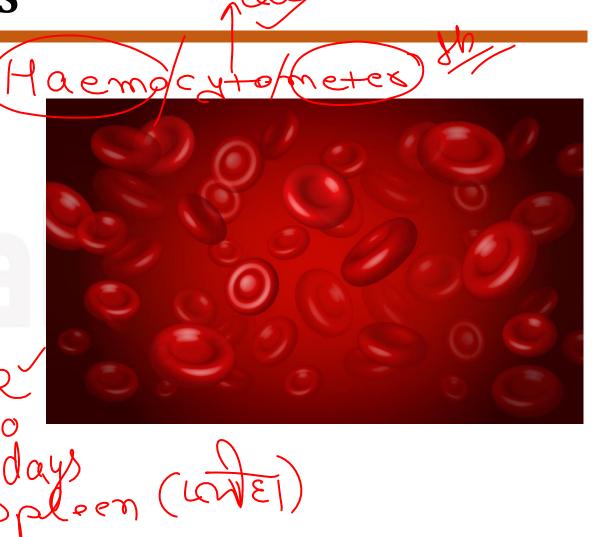
Red blood cells (लाल रक्त कोशिकाएं)

(RBC) or Erythrocytes:

• Most abundant (सबसे प्रचुर मात्रा में) of all the cells in blood.

Contain hemoglobin.







(2CIA

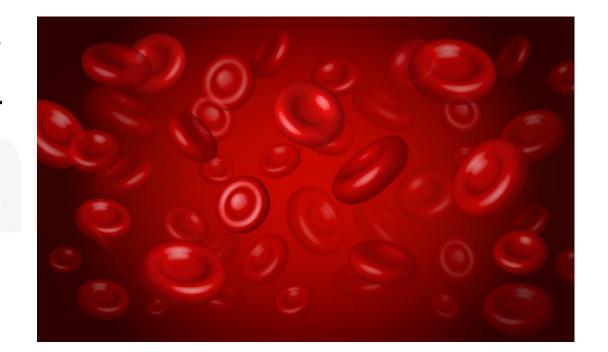
- Erythrocytes leukocytes and platelets. are collectively called formed elements.
- एरिथ्रोसाइट्स, ल्यूकोसाइट्स और प्लेटलेट्स। सामूहिक रूप से गठित तत्व कहलाते हैं।
- Constitute nearly 45 percent of the blood.

रक्त का लगभग 45 प्रतिशत बनता है।





- Red colour: Presence of hemoglobin
- Standard Hb is 14.5 mg of hemoglobin in every 100 ml of blood मानक एचबी प्रत्येक 100 मिलीलीटर रक्त में 14.5 मिलीग्राम हीमोग्लोबिन है
- Anemic: Hb is lesser than this standard
- खून की कमी (रक्तअल्पता): Hb इस मानक से कम है

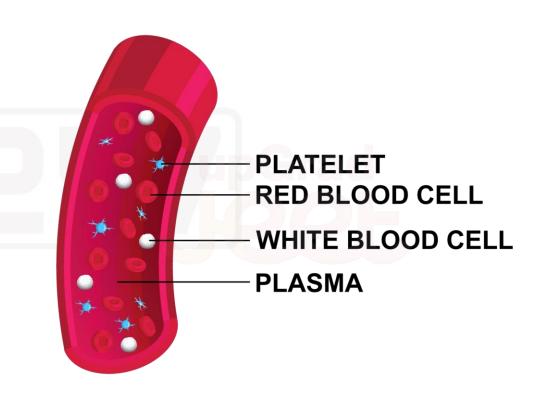


- Produced in the Bone Marrow
- अस्थि मज्जा में उत्पादित



White blood cells (श्वेत रक्त कोशिकाएं) (WBC) or Leukocytes:

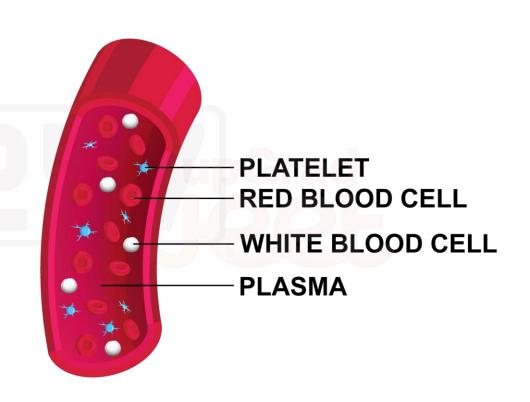
- Colourless (रंगहीन): Lack of hemoglobin रंगहीन (रंगहीन): हीमोग्लोबिन की कमी
- Nucleated (नाभिकयुक्त): Means their cells have a nucleus (नाभिक)
- न्यूक्लेटेड (नाभियुक्त): इसका मतलब है कि
 उनकी कोशिकाओं में एक नाभिक होता है
 (नाभिक)
- Lifespan (जीवन-काल): 2 5 days
- जीवनकाल (जीवन काल): 2 5 दिन





Platelets:

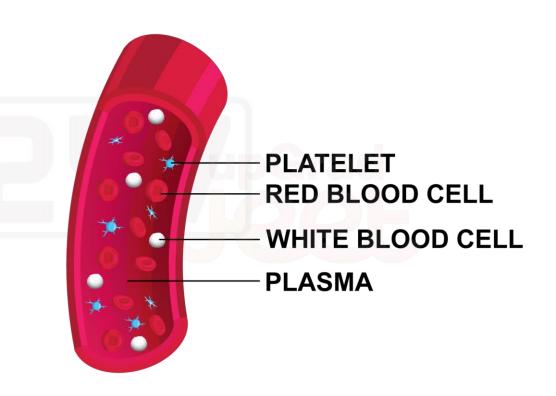
- Also known as thrombocytes
- थ्रोम्बोसाइट्स के रूप में भी जाना जाता है
- Irregular in shape (आकार में अनियमित)
- Nucleus is absent (नाभिक अनुपस्थित)
- Produced in the bone marrow (अस्थि मज्जा)





Platelets:

- Lifespan (जीवन-काल): 3-5 days
- Function (कार्य): React to bleeding from blood vessel injury (रक्त वाहिका की चोट) by clumping (एक जगह एकत्र होकर), thereby initiating a blood clot (रक्त का थक्का)



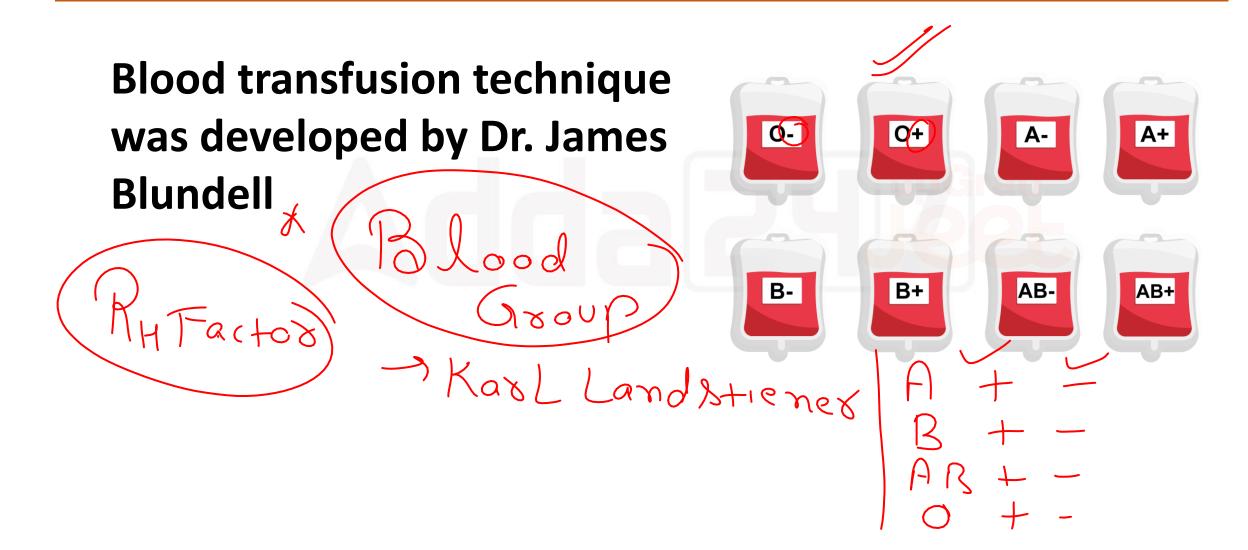


Lymph (लसीका):

- Fluid present in lymphatic system (लसीका तंत्र)
- Colourless fluid (रंगहीन द्रव) containing specialised lymphocytes responsible for the immune responses (प्रतिरक्षा अनुक्रिया) of the body
- रंगहीन द्रव जिसमें शरीर की प्रतिरक्षा प्रतिक्रिया के लिए जिम्मेदार विशेष लिम्फोसाइट्स होते हैं
- Lymph is also an important carrier for nutrients, hormones, etc.
- लसीका भी पोषक तत्वों, हार्मोन आदि के लिए एक महत्वपूर्ण वाहक है।



TRANSFUSION OF BLOOD





PRACTICE QUESTIONS अभ्यास प्रश्न

To which group of blood a universal recipient belongs? सार्वभौम प्राप्तकर्ता रक्त के किस समूह से संबंधित है?

- A. A group
- B. B group
- C. O group Donor
- AB group

To which group of blood a universal recipient belongs? सार्वभौम प्राप्तकर्ता रक्त के किस समूह से संबंधित है?

- A. A group
- B. B group
- C. O group
- D. AB group

Which of the following statement is correct?

- I. Arteries carry oxygen-rich blood from the heart to all parts of the body.
- II. Veins are the vessels that carry carbon dioxide-rich blood from all parts of the body back to the heart.

निम्नलिखित में से कौन सा कथन सही है?

- ।. धमनियां ऑक्सीजन युक्त रक्त को हृदय से शरीर के सभी भागों में ले जाती हैं।
 । भन्सें के ब्याहिकाएँ हैं जो शरीर के सभी हिस्सों से कार्बन डाइऑक्साइड युक्त रक्त को वापस हृदय तक ले जाती हैं।
- A PONIVI
- B. Neither I nor II
- C. Only II
- D. Both I and IJ

Which of the following statement is correct?

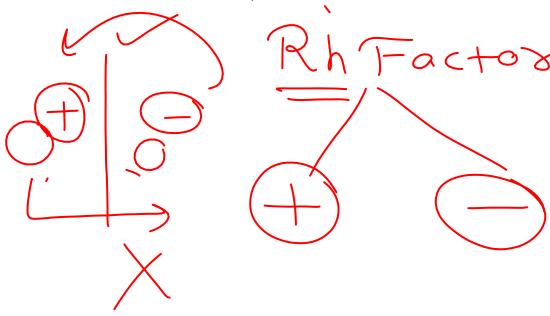
- I. Arteries carry oxygen-rich blood from the heart to all parts of the body.
- II. Veins are the vessels that carry carbon dioxide-rich blood from all parts of the body back to the heart.
- A. Only I
- B. Neither I nor II
- C. Only II
- D. Both I and II

In transfusion, blood must be compatible not only in blood type but also in

- A. Rh factor
- B. the number of white cells
- C. the number of red cells
- D. Plasma

आधान में, रक्त न केवल रक्त प्रकार में बल्कि रक्त प्रकार में भी संगत होना चाहिए

- **A.** आरएच कारक
- B. सफेद कोशिकाओं की संख्या
- **C.** लाल कोशिकाओं की संख्या
- D. प्लाज्मा



In transfusion, blood must be compatible not only in blood type but also in

- A. Rh factor
- B. the number of white cells
- C. the number of red cells
- D. Plasma

prevents blood clotting and blood loss. Plasma and helps **RBC** WBC **Thrombocytes** रक्त के थक्के जमने और खून की कमी को रोकता है। प्लाज्मा आरबीसी C. डब्ल्यूबीसी Platletes D. थ्रोम्बोसाइट्स -> Leukocytes - Lythocyte

_____ prevents blood clotting and blood loss.

- A. Plasma
- B. RBC
- C. WBC
- D. Thrombocytes

Which of the following are warm blooded animals?– निम्नलिखित में से कौन सा गर्म खून वाले जानवर हैं?

- Whales
- B. Whale sharks
- C. Alytes
- D. Draco

Which of the following are warm blooded animals?—

निम्नलिखित में से कौन सा गर्म खून वाले जानवर हैं?

- A. Whales
- **B.** Whale sharks
- C. Alytes
- D. Draco

RBCs do not perform aerobic respiration because these do not contain-

आरबीसी एरोबिक श्वसन नहीं करते हैं क्योंकि इनमें शामिल नहीं है-

- A. Mitochondria
- **B.** Nucleus
- **C.** Endoplasmic reticulum

Respiration D. Lysosomes

RBCs do not perform aerobic respiration because these do not contain— आरबीसी एरोबिक श्वसन नहीं करते हैं क्योंकि इनमें शामिल नहीं है-

- A. Mitochondria
- **B.** Nucleus
- C. Endoplasmic reticulum
- **D.** Lysosomes

The universal acceptor blood group is सार्वत्रिक ग्राही रक्त समूह है

- A. A
- B. B

C. AB

D.(**O**

The universal acceptor blood group is

A. A

B. B

C. AB

D. C

Which blood group has no antibody? किस ब्लड ग्रुप में एंटीबॉडी नहीं होती है?

Which blood group has no antibody? किस ब्लंड ग्रुप में एंटीबॉडी नहीं होती है?

- A. O
- B. AB
- C. A
- D. B

Which of the following pairs has a double circulation pathway? निम्नलिखित में से किस जोड़े में दोहरा परिसंचरण मार्ग है?

- A. Amphibians and Mammals
- B. Birds and Mammals
- **C.** Reptiles and Mammals
- D. Fishes and Birds

Which of the following pairs has a double circulation pathway? निम्नलिखित में से किस जोड़े में दोहरा परिसंचरण मार्ग है?

- A. Amphibians and Mammals
- **B.** Birds and Mammals
- **C.** Reptiles and Mammals
- D. Fishes and Birds

Blood fails to clot, while flowing in the blood vessel because of the presence of-

रक्त वाहिका में बहते समय रक्त का थक्का जमने में विफल रहता है, इसकी उपस्थिति के कारण-

- A. Heparin
- **B.** Prothrombin
- C. Haemoglobin
- D. Hirudin



Blood fails to clot, while flowing in the blood vessel because of the presence of-

- A. Heparin
- **B.** Prothrombin
- C. Haemoglobin
- D. Hirudin

Haemoglobin contains the metal— हीमोग्लोबिन में धातु होती है--A. Copper B. Molybdenum C. Iron D. Magnesium Haemoglobin contains the metal—

A. Copper

B. Molybdenum

C. Iron

D. Magnesium

The life span of RBC of man is-मनुष्य के RBC का जीवन काल होता है-

A. 120 days

B. 150 days

C. 180 days

D. 190 days

Formation

- Bone Maryou

The life span of RBC of man is-

A. 120 days

B. 150 days

C. 180 days

D. 190 days

The pH of human blood is मानव रक्त का pH होता है

A. 7.2

B. 7.8

C. 6.6

D. 7.4



The pH of human blood is

A. 7.2

B. 7.8

C. 6.6

D. 7.4

In which vertebrate oxygenated and deoxygenated blood gets mixed? किस कशेरुकी जंतु में ऑक्सीजनित और विऑक्सीजनित रक्त मिल जाता है?

A. Fish

B. Amphibian

C. Bird

D. Mammal



In which vertebrate oxygenated and deoxygenated blood gets mixed?

- A. Fish
- B. Amphibian
- C. Bird
- D. Mammal

The blood vessels that carry blood from the heart to the various parts of the body are called _____.

हृदय से शरीर के विभिन्न भागों में रक्त ले जाने वाली रक्त वाहिकाओं को _____ कहा जाता है।

A. (Arteries

- **B.** Veins
- C. Septum
- D. Capillaries

The blood vessels that carry blood from the heart to the various parts of the body are called हृदय से शरीर के विभिन्न भागों में रक्त ले जाने वाली रक्त वाहिकाओं को ____ कहा जाता है। A. Arteries Veins Septum **Capillaries**

The blood groups were discovered by

रक्त समूहों की खोज किसके द्वारा की गई थी

- A. Altmann
- B. Landsteiner
- C. Losch
- D. Ronald Ross

The blood groups were discovered by

- A. Altmann
- **B.** Landsteiner
- C. Losch
- D. Ronald Ross

he term 'RH factor' refers to शब्द 'आरएच कारक' को संदर्भित करता है

- A. Rhesus factor
- **B.** Rheumatoid factor
- C. Renal factor
- D. Rhombic factor