

**1. Blood volume is.....in a 70 kg man:**

- A. 6.5 L
- B. 5.6 L
- C. 5 L
- D. 6 L

2. Blood represent.....of body weight

- A. 10%
- B. 7%
- C. 8%
- D. 9%

3. Major transport medium in the body is.....

- A. Blood
- B. Lymph
- C. CSF
- D. Saliva

4. All of the following are functions of blood except.....

- A. Stoppage of bleeding from injured blood vessel
- B. Keep the composition of internal environment constant
- C. White blood cells provide defense against microorganisms
- D. Synthesis of clotting factors

5. Plasma represents about.....of total blood volume

- A. 50%
- B. 55%
- C. 60%
- D. 45%

1. B

2. C

3. A

4. D

5. B

**6. Plasma consists mainly of.....:**

- A. Organic solids
- B. Inorganic solids
- C. Water
- D. Bile

7. Which of the following is an organic component of plasma

- A. HCO_3
- B. PO_4
- C. Na
- D. Urea

8. Inorganic components of plasma include all of the following except

- A. Na
- B. Hormones
- C. Cl
- D. K

9. The main organic component of plasma is

- A. Plasma proteins
- B. Creatinine
- C. Glucose,
- D. Amino acids

10. The total plasma protein concentration is aboutgm/dL

- A. 7-8
- B. 6-8
- C. 6-7
- D. 5-7

6. C

7. D

8. B

9. A

10. B



11. Plasma proteins include all of the following except.....:

- A. Albumin.
- B. Globulins
- C. Acetylcholine
- D. Fibrinogen

12. The main plasma protein is.....

- A. Albumin.
- B. Globulins
- C. Prothrombin
- D. Fibrinogen

13. Albumin concentration in plasma is gm/dl

- A. 0.01 –0.016
- B. 0.4
- C. 2.4 –2.7
- D. 3.5 –5

14. Which plasma protein has the highest molecular weight

- A. Albumin.
- B. Globulins
- C. Fibrinogen
- D. Prothrombin

15. Most plasma proteins are synthesized in

- A. Liver
- B. Kidney
- C. Brain
- D. Heart

11.C

12.A

13.D

14.C

15.A



16. All of the following plasma proteins are synthesised in the liver except.....:

- A. Albumin,
- B. Fibrinogen,
- C. γ globulins
- D. α globulins

17. γ globulins are synthesized in.....

- A. Liver
- B. RBCs
- C. Plasma cells
- D. Kidney

18. The amino acids needed for plasma proteins formation are derived from proteins found in.....?

- A. Meat,
- B. Milk,
- C. Eggs.
- D. All of the above

19. Albumin-Globulin Ratio is about.....?

- A. 1-1.2
- B. 1.2-1.6
- C. 1-1.6
- D. 1

20. Albumin-Globulin Ratio is increased in

- A. Advanced liver disease
- B. Renal diseases
- C. Congenital agamma albuminemia
- D. Severe infections

16.C	17.C	18.D	19.B	20.C
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21. The plasma osmotic pressure is produced mainly by:

- A. Albumin.
- B. Globulins
- C. Fibrinogen
- D. Prothrombin

22. The plasma oncotic pressure is about.....?

- A. 28 mmHg
- B. 20 mmHg
- C. 3 mmHg
- D. 14 mmHg

23. Decrease the plasma proteins leads to.....?

- A. Increase oncotic pressure
- B. Decrease interstitial fluid
- C. Edema
- D. All of the above

24. Which plasma protein is responsible for defending the body against micro-organisms ?

- A. Albumin,
- B. Fibrinogen,
- C. γ globulins
- D. α globulins

25. Plasma proteins are responsible for about ... of the buffering power of the blood

- A. 10%
- B. 15%
- C. 20%
- D. 25%

21.A

22.A

23.C

24.C

25.B

**26. The main plasma protein responsible for blood viscosity is.....:**

- A. Albumin.
- B. Globulins
- C. Fibrinogen
- D. Prothrombin

27. Plasma is about times as viscous as water?

- A. 2
- B. 3
- C. 2.5
- D. 1.5

28. CO₂ is carried in plasma as.....?

- A. Bicarbonate ions
- B. Carbamino compounds
- C. Dissolved gas
- D. Carbon monoxide

29. Which of the following is NOT a function of plasma proteins in transporting important substances?

- A. Preventing rapid loss in urine
- B. Providing a reservoir for future use
- C. Making lipids and free fatty acids miscible with water
- D. Assisting in blood clotting

30. All of the following are functions of plasma proteins except.....

- A. Transporting many important substances as hormones
- B. Maintaining osmotic pressure
- C. Assisting in blood clotting
- D. Providing structural support for cells

26. C

27. D

28. B

29. D

30. D