Week 9 Physiology MCQs HETI

1. Which is the most common blood type in Caucasians?

Select one:

a. O rhesus negative

b. AB rhesus positive

c. A rhesus negative

d. O rhesus positive Ganong 23rd Edition pg 529 table 32-4

2. Which of the following plasma proteins is NOT synthesised in the liver?

Select one:

a. Angiotensinogen

b. Fibrinogen

c. Angiotensin converting enzyme Ganong 23rd Edition pg 532 table 32 – 6 (24th Ed, pg 566)

d. Alpha-2 macroglobulin

3. Which of the following is NOT primarily a function of blood plasma?

Select one:

a. Transport of antibodies

b. Maintenance of red cell size

c. Transport of oxygen Ganong 23rd Edition pg 525

d. Transport of hormones

4. Which of the following is the largest substance in the plasma?

Select one:

a. Haemoglobin

b. Albumin

c. Fibrinogen Ganong 23rd Edition pg 530

d. β1 globulin

5. A person of blood type A has:

Select one:

a. Anti A antibodies

b. Anti A and anti B antibodies

c. Anti B antibodies Ganong 23rd Edition pg 529 table 32-4

d. B antigens

6. Concerning methaemoglobin:

Select one:

a. It contains Fe 3+ Ganong 23rd Edition pg 524 "converted to ferric iron (Fe3+)

b. It causes a bright pink colouration to blood

c. Oxidation of haemoglobin to methaemoglobin never occurs normally

d. NADH-methaemoglobin oxidase converts it back to haemoglobin

7. The fibrinolytic system involves all EXCEPT:

Select one:

a. Thrombin

b. Protein C

c. Plasminogen

d. Fibrinogen Ganong 23rd Edition pg 534 fig 32-14 (24th Ed figure 31-13)

8. A person of which blood type would be considered a "universal recipient"?

Select one:

a. A

b. AB Ganong 23rd Edition pg 528 "type AB blood are universal recipients"

c. B

d. O

9. Which is true?

Select one:

a. Heparin antagonises the action of antithrombin III

b. Protein C and S are Vitamin K dependant Ganong 23rd Edition pg 533 fig 32-13

c. The activation of factor XII requires calcium

d. The intrinsic pathway of the clotting system is activated by tissue thromboplastin

10. Regarding lymph:

Select one:

a. It does not contain clotting factors

b. It drains into the blood via the SVC

c. It is clear after a fatty meal

d. The protein content is lower than in plasma Ganong 23rd Edition pg 535 "contains clotting factors"