

BCH 349

Name:

Student no:

QUIZ #1

Put (T) in front of true statements and (F) in front of the false ones and correct the false ones.

Part 1

1. In human body Cholesterol exists in a non esterified form only. ()
2. Plant fat is the major sources of cholesterol ()
3. Biosynthesis of Cholesterol started from acetyl-COA ()
4. High-density lipoproteins (HDL) is referred to as bad cholesterol ()
5. The major lipoprotein species synthesized by the liver is known as (VLDL), which transports cholesterol and triacylglycerol from the cells to the liver ()
6. A high level of LDL in the blood is associated with a *decreased* risk of cardiovascular disease ()
7. Bile acids are derived from cholesterol and have detergent properties which aid in protein digestion and absorption ()

8. Normal level of cholesterol varies with age and diet with the average is 250-350 mg/dl ()
9. High cholesterol can be found in certain cases such as: Massive cell damage ()
10. There is not any kind of drugs for controlling cholesterol level ()
11. Cholesterol has a critical role in liver ()

Part 2

1. Lieberman-Burchard test is for detecting the steroids hormone only ()
2. In Lieberman-Burchard test Acetic anhydride can react with the C₃ hydroxyl group of cholesterol in the presence of strong acids to form a blue-green complex ()
3. Standard cholesterol was used for the first patients ()
4. When preparing The patient for the test he should be on a normal diet at least 2 days before the test ()
5. Cholesterol reagent was used in the test and added to all tubes ()