

King Saud University
College of Science
Department of Biochemistry
BIOLOGICAL FLUID Exam
1st Semester

Name: _____ Subject: BSC 376 Date: 1430/1431

Instruction: Choose the **RIGHT** answer.

1. The following are Biological Fluids **EXCEPT**.
 - a. Urine
 - b. Blood
 - c. Cytoplasm
 - d. Semen

2. Glucose in the urine is an indicative of what disease state?
 - a. Hypoglycemia
 - b. Diabetes
 - c. Acidosis
 - d. Anemia

3. An abnormal amount of protein in the urine is called what?
 - a. Hematuria
 - b. Leukocytosis
 - c. Proteinuria
 - d. Leukopenia

4. CSF is located in what organ system?
 - a. Cardiovascular system
 - b. Digestive system
 - c. Central Nervous System
 - d. None of the above

5. CSF is produced where?
 - a. Choroid plexus
 - b. Sinusoid
 - c. Subarachnoid space
 - d. Lymphatic system

6. The Yellow color of CSF is indicative of?

- a. High in fat
- b. Normal color
- c. High Protein
- d. None of the above

7. The Amniotic fluid component essential for lung development.

- a. White blood cells
- b. Platelets
- c. Insulin
- d. Surfactant

8. Diagnosis of Sphingomyelin disease can be elevated in what amniotic component?

- a. Lecithin
- b. Vitamin B₁₂
- c. Riboflovin
- d. None of the above

9. The average renal volume in **normal** adult is?

- a. 2.3 liters
- b. 4.0 liters
- c. 1.3 liters
- d. None of the above

10. The following are normally **not** present in the urine **EXCEPT**.

- a. Glucose
- b. Protein

c. Urea

d. Bile Salts

11. An enzyme that initiates the digestion of starch.

a. Coenzyme E

b. α -amylase

c. Lipoprotein

d. None of the above

12. An enzyme helps the digestion of fat?

a. Lysosomes

b. Lipase

c. Amylase

d. All of the above

13. All are antimicrobial enzymes that can be found in the saliva **EXCEPT**.

- a. Lysozyme
- b. Lactoperoxidase
- c. peroxidase
- d. Lactulose

14. Which of the following statement is **FALSE**.

- a. Amniotic fluid surrounds the fetus during development
- b. Amniotic fluid helps to protect the fetus
- c. Amniotic fluid plays a vital role in the development of internal organs such as lungs and kidneys
- d. Amniotic fluid does not play any role in diagnosing baby's congenital diseases after birth

15. Gastric glands contain 3 types of cells **EXCEPT**.

- a. Mucous or goblet cells-secrete mucous
- b. Chief cells secrete digestive enzymes
- c. Parietal cells secrete solution containing HCL
- d. Secretin cells which secrete pepsinogen

16. HCL is secreted by?

- a. Parietal cells
- b. Goblet cells
- c. Chief cells
- d. Mucous cells

17. The function of Bile salts is?

- a. Fat is not emulsified
- b. Absorption of Citric acids
- d. Absorption of fats, vitamins and fatty acids
- c. Bilirubin and biliverdin break down into plasma

18. The following is secretory response of Gastric Phase **EXCEPT**.

- a. Is triggered by a presence of food in stomach
- b. Gastrin is released which increases secretory activity of gastric glands
- c. Gastric juice secreted and enhances gastrin secretion, pH goes up eventually pH falls to 3.0 and gastrin secretion is inhibited
- d. Is triggered by smell, taste, sight, or thought of food

19. This part of the gastrointestinal tract functions as fecal storage.

- a. Large Intestine
- b. Small Intestine
- c. Pylorus
- d. None of the above

20. Hepatitis is an inflammation of what organ?

- a. Stomach
- b. Liver
- c. Large Intestine
- d. Small Intestine