

Course No: DNTS 1204
Course Title: Cell Biology
Date: 01-04-2013
No. of Questions: (4)
Time: 1 hours
Using Calculator (No)

University of Palestine



Midterm Exam
2012-2013
Total Grade: 20

Instructor: Dr. Essameddin Elzatma
Student No.: _____
Student Name: _____
College Name: Dentistry College
Dep. / Specialist: _____
Using Dictionary (No)

Q1: Multiple choice questions (5 Marks)

1. Which of the following is part of the nonspecific defenses?
 - A. the inflammatory response
 - B. the primary immune response
 - C. the humoral immune response
 - D. the secondary immune response

2. Which of the following statements is false?
 - A. Autoimmune diseases can be fatal.
 - B. Autoimmune diseases are a type of cancer.
 - C. Diabetes Miletus type I is an autoimmune disease.
 - D. Autoimmune diseases target the body's cells.

3. Which of the following is the most common means of HIV transmission?
 - A. receiving a blood transfusion
 - B. performing experiments with HIV
 - C. shaking hands with a person who has AIDS
 - D. having sexual contact with an HIV-infected person

- 4- a substance found on the surface of microbes and identified by immune cells is called
 - A. antigens
 - B. interferons
 - C. interleukins
 - D. receptor proteins

- 5- B and T lymphocytes recognize pathogens by
 - A. antigens
 - B. interferons
 - C. interleukins
 - D. receptor proteins

- 6- Endocrine glands
 - A. function only after puberty.
 - B. function only before puberty.
 - C. release products through ducts.
 - D. release products into the bloodstream.

- 7- The two main hormones which control the blood glucose level are:
 - A. Insulin and adrenaline
 - B- Glucagon and adrenaline
 - C. Adrenaline and noradrenaline
 - D. Insulin and glucagon

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8- Phagocytes kill harmful bacteria by

- A. endocytosis.
- B. producing antibodies.
- C. complement.
- D. T cell stimulation.
- E. inflammation

9- Which of the following plays no role in HIV reproduction?

- A. Integrase
- B. Reverse transcriptase
- C. gp120
- D. Interleukin-1
- E. Protease

10- Which statement about antibodies is true ?

- A. They recognize intracellular pathogens.
- B. They recognize and bind antigenic determinants.
- C. They encode some of the most important genes in an animal.
- D. They are the chief participants in nonspecific defense mechanisms.
- E. They are a specialized class of white blood cells.

Q2: Indicate the following statements are true (T) or false (F). (5 Marks).

- 1- Monocyte are the precursors of macrophages. (T / F)
- 2- The immune response is terminated or decreased by suppressor B cells. (T / F)
- 3- Lymphocytes are phagocytic cells. (T / F)
- 4- Your body has millions of different antibodies for detecting millions of different antigens because you have millions of different antibody genes. (T / F)
- 5- Activated helper T cells release interleukin- 2. (T / F)
- 6- A "fight or flight" situation stimulate the secretion of adrenaline. (T / F)
- 7- An enlargement of the thyroid gland is the condition known as parathyroidism. (T / F)
- 8- Calcium level in the blood is regulated by the adrenal medulla. (T / F)
- 9- The hormone involved in rhythmic activities, such as day/night and seasonal changes is melatonin. (T / F)
- 10- The hormones of the pituitary gland reach their target cells through the neurosecretory cells. (T / F)

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Q3: Match the correct answer. (5 Marks)

- | | | |
|---------------------|-------|--|
| Antibodies | ----- | 1- cortisol. |
| cyclic AMP | ----- | 2- phagocytose microbes. |
| Endocrine glands | ----- | 3- acts as a first messenger. |
| Immune tolerance | ----- | 4- recognize extracellular pathogens. |
| amino acid hormones | ----- | 5- acts as a second messenger. |
| Macrophage | ----- | 6- cretinism. |
| Cytokines | ----- | 7- ductless organs that secrete hormones. |
| Adrenal Cortex | ----- | 8- non-specific immune defense. |
| Hypothyroidism | ----- | 9- secreted by T cells and affect other. |
| Innate immunity | ----- | 10- discriminate between self and non-self antigens cells. |

Q4: Define the following terms. (5 Marks)

- 1- Reverse transcriptase
- 2- Acquired immune system
- 3- Antagonistic hormones
- 4- Plasma cells
- 5- Negative feedback of hormones

GOOD LUCK