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ANATOMY AND PHYSIOLOGY 2014-15 PRACTICE TEST

MULTIPLE CHOICE

Immune

- 1) The body's nonspecific defenses against invading pathogens do not include:
 - A) sweat
 - B) B cells
 - C) mucus
 - D) saliva

- 2) A newborn infant who receives antibodies from its mother's milk has:
 - A) naturally acquired active immunity
 - B) naturally acquired passive immunity
 - C) artificially acquired active immunity
 - D) artificially acquired passive immunity

- 3) Which of the following is not a component of the non-specific defense system?
 - A) perforin
 - B) kinins
 - C) histamine
 - D) lysozymes

- 4) Incomplete antigens that have reactivity but not immunogenicity are called:
 - A) viruses
 - B) bacteria
 - C) MHC
 - D) haptens

- 5) Which of the following helps lymphocytes identify self from nonself?
 - A) antibodies
 - B) MHC
 - C) glycolipids
 - D) None of the above

- 6) Which of the following immunoglobins is often found as a dimer in fluids secreted from the body?
 - A) IgA
 - B) IgM
 - C) IgG
 - D) IgD

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- 7) Which of the following is an APC?
- A) dendritic cells
 - B) macrophages
 - C) B cells
 - D) All of the above
- 8) CD in the name of “CD8 or “CD4” T cells stand for:
- A) central differential
 - B) cytoplasmic destructor
 - C) complex of differentiation
 - D) cluster of differentiation
- 9) Having which of the following is a hallmark of AIDS?
- A) neutropenia
 - B) Hodgkin’s lymphoma
 - C) Kaposi’s sarcoma
 - D) All of the above
- 10) Which of the following is not an autoimmune disease?
- A) myasthenia gravis
 - B) hypersensitivity vasculitis
 - C) Hashimoto’s thyroiditis
 - D) Type I diabetes

Integumentary

- 1) Which of the following is not a layer of the epidermis in thick skin:
- A) Stratum corneum
 - B) Stratum granulosum
 - C) Stratum basale
 - D) Stratum lucidum
- 2) Which of the following is responsible for reddish yellow colors in skin?
- A) Pheomelanin
 - B) Eumelanin
 - C) Neuromelanin
 - D) None of the above

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- 3) How much does the skin weigh?
- A) 2-3 kg
 - B) 3-4 kg
 - C) 4-5 kg
 - D) 5-6 kg
- 4) What type of receptor is less numerous and located deeply in dermis?
- A) Meissner's
 - B) Pacinian
 - C) Merkel
 - D) dendrites
- 5) Which of the following glands secretes sebum?
- A) eccrine
 - B) merocrine
 - C) apocrine
 - D) holocrine
- 6) Which of the following is the stage of hair growth where hair stops growing for 5-6 weeks?
- A) Anagen
 - B) Telogen
 - C) Catagen
 - D) Manigen
- 7) The dermis is composed mostly of:
- A) fibrous connective tissue
 - B) dense regular connective tissue
 - C) dense irregular connective tissue
 - D) adipose tissue
- 8) Which layer of skin is responsible for cell division and replacement of skin cells?
- A) stratum corneum
 - B) stratum granulosum
 - C) stratum basale
 - D) stratum spinosum
- 9) A burn has affected the deeper epidermis and upper layers of dermis of a patient. There is blistering, severe pain, swelling, fluid loss. It heals in 3-4 weeks. It was a:
- A) first degree burn
 - B) second degree burn
 - C) third degree burn
 - D) fourth degree burn

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10) Which of the following is a way to diagnose nodular melanoma that normal melanoma does not follow?

- A) has a firm surface
- B) is asymmetrical
- C) has a diameter >6mm
- D) has an irregular borderline

Cardiovascular

1) Most of the blood is composed of:

- A) RBCs
- B) WBCs
- C) plasma
- D) glucose

2) Which of the following blood types is sometimes called the “universal recipient?”

- A) A
- B) B
- C) AB
- D) O

3) Which of the following is not a characteristic of a vein?

- A) has valves
- B) thickest layer is tunica media
- C) carries blood back to heart
- D) more rigid walls

4) The muscular tissue of the heart is called?

- A) myocardium
- B) endocardium
- C) epicardium
- D) pericardium

5) Which of the following is not a layer of the artery?

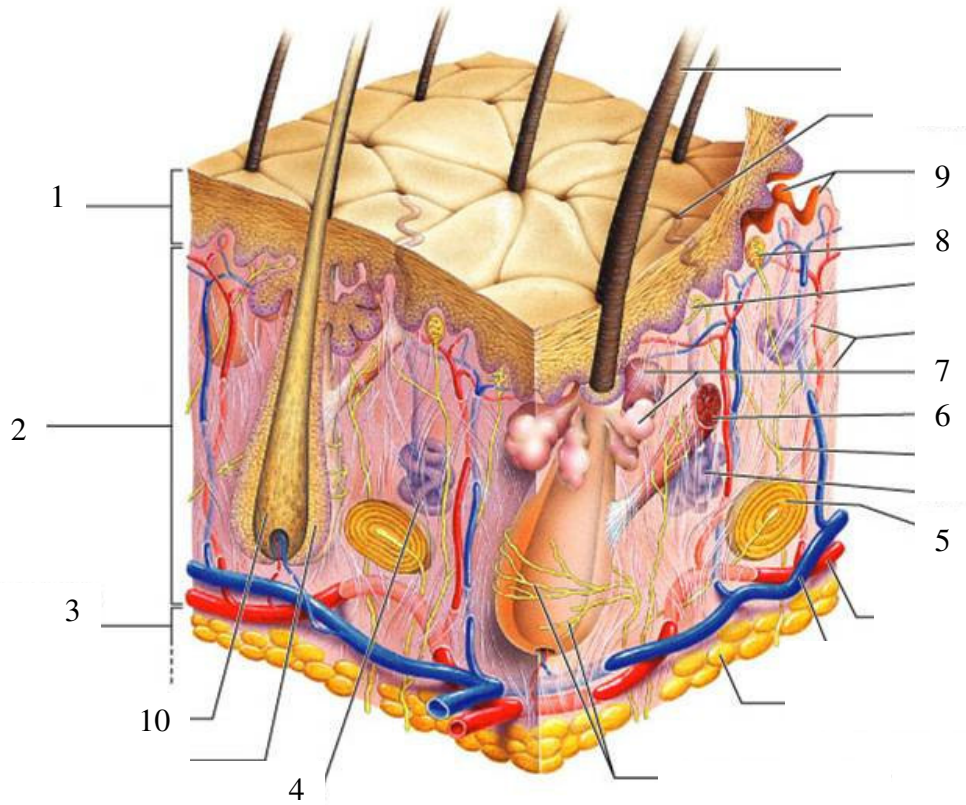
- A) tunica adventitia
- B) tunica fibrosa
- C) tunica intima
- D) tunica media

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- 6) The mitral valve is closed during:
- A) ventricular systole
 - B) ventricular diastole
 - C) neither ventricular systole or ventricular diastole
 - D) both ventricular systole and ventricular diastole
- 7) Cardiac output is the product of:
- A) stroke volume and end systolic volume
 - B) end diastolic volume and heart rate
 - C) end diastolic volume and end systolic volume
 - D) stroke volume and heart rate
- 8) Which of the following is not a plasma protein?
- A) albumin
 - B) fibrinogen
 - C) immunoglobulin
 - D) dystrophin
- 9) Tachycardia is a heart rate greater than ____ beats per minute (bpm):
- A) 80
 - B) 100
 - C) 120
 - D) 140
- 10) What are the symptoms of cardiac arrest?
- A) absence of pulse
 - B) bluing of lips
 - C) dilated, rigid pupils
 - D) all of the above

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DIAGRAMS



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