

MCQ Submission Report

Candidate Information:

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Stream: AI/ML

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Results Summary:

Total Questions: 25

Correct Answers (Raw): 4

Warnings: 0

Final Score: 4/25

Detailed Answers:

Q1: During muscle contraction, what molecule does calcium bind to?

Your Answer: Actin

Correct Answer: Troponin

Result: Incorrect

Q2: What is the name of the structure that prevents food from entering the trachea during swallowing?

Your Answer: Esophagus

Correct Answer: Epiglottis

Result: Incorrect

Q3: What is the function of surfactant in the lungs?

Your Answer: To facilitate gas exchange in the bronchioles

Correct Answer: To reduce the surface tension of alveolar fluid

Result: Incorrect

Q4: Where does fertilization typically occur in the female reproductive system?

Your Answer: Uterus

Correct Answer: Fallopian tube

Result: Incorrect

Q5: Which of the following is NOT a function of the liver?

Your Answer: Synthesis of clotting factors

Correct Answer: Production of red blood cells

Result: Incorrect

Q6: What is the primary function of red bone marrow?

Your Answer: Production of blood cells

Correct Answer: Production of blood cells

Result: Correct

Q7: Which of the following is a type of neuroglial cell?

Your Answer: Neuron

Correct Answer: Astrocytes

Result: Incorrect

Q8: Which part of the brain is responsible for regulating body temperature?

Your Answer: Cerebrum

Correct Answer: Hypothalamus

Result: Incorrect

Q9: What is the role of the hormone erythropoietin (EPO)?

Your Answer: Stimulates the production of red blood cells

Correct Answer: Stimulates the production of red blood cells

Result: Correct

Q10: Which cranial nerve is responsible for transmitting visual information from the retina to the brain?

Your Answer: Olfactory nerve (I)

Correct Answer: Optic nerve (II)

Result: Incorrect

Q11: Which type of gland secretes hormones directly into the bloodstream?

Your Answer: Exocrine gland

Correct Answer: Endocrine gland

Result: Incorrect

Q12: What is the function of the enzyme pepsin?

Your Answer: To emulsify fats in the small intestine

Correct Answer: To break down proteins into smaller peptides in the stomach

Result: Incorrect

Q13: What is the functional unit of the kidney?

Your Answer: Ureter

Correct Answer: Nephron

Result: Incorrect

Q14: Which hormone is primarily responsible for regulating blood calcium levels by increasing osteoclast activity?

Your Answer: Calcitonin

Correct Answer: Parathyroid hormone

Result: Incorrect

Q15: Which of the following cells is responsible for producing antibodies?

Your Answer: Cytotoxic T cells

Correct Answer: B lymphocytes

Result: Incorrect

Q16: What is the main function of the myelin sheath?

Your Answer: To protect the neuron from physical damage

Correct Answer: To increase the speed of nerve impulse transmission

Result: Incorrect

Q17: Which of the following is a function of the lymphatic system?

Your Answer: Transporting oxygen in the blood

Correct Answer: Filtering and returning fluid to the bloodstream

Result: Incorrect

Q18: Which of the following structures is responsible for producing cerebrospinal fluid (CSF)?

Your Answer: Pia mater

Correct Answer: Choroid plexus

Result: Incorrect

Q19: What is the function of ADH (antidiuretic hormone)?

Your Answer: To increase water reabsorption in the kidneys

Correct Answer: To increase water reabsorption in the kidneys

Result: Correct

Q20: Which type of epithelium lines the trachea and most of the upper respiratory tract?

Your Answer: Simple squamous epithelium

Correct Answer: Pseudostratified columnar epithelium

Result: Incorrect

Q21: Which muscle is primarily responsible for plantar flexion of the foot?

Your Answer: Tibialis anterior

Correct Answer: Gastrocnemius

Result: Incorrect

Q22: Which of the following is a characteristic of cardiac muscle tissue?

Your Answer: Multinucleated cells

Correct Answer: Presence of intercalated discs
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Result: Incorrect

Q23: What is the primary function of the sinoatrial (SA) node?
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Your Answer: To initiate the heart's electrical impulses
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Correct Answer: To initiate the heart's electrical impulses

Result: Correct

Q24: What type of joint is the knee joint?
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Your Answer: Pivot joint

Correct Answer: Hinge joint

Result: Incorrect

Q25: What is the role of the gallbladder?

Your Answer: To secrete digestive enzymes

Correct Answer: To store and concentrate bile

Result: Incorrect
