ARBA MINCH UNIVERSITY
STREAM SELECTION QUALIFICATION EXAMINATION
Biology for Health, Exam Code 03

Instruction: Choose the best answer and put the letter of your choice on the answer sheet

1. Regarding the biochemical functions, we may make an analogy that endonuclease is like _____ and ligase is like _____
   a. Scissors; glue
   b. The North pole; the South pole
   c. Water; tear
   d. An airplane; submarine
2. What is the primary step in the process of anaphylactic shock?
   a. Blood pressure rises
   b. Airways become narrow
   c. Collapse
   d. Death
3. Type _____ blood can be donated to all persons because it lacks _____
   a. AB/antibodies
   b. O/antigens
   c. O/antibodies
   d. A/antibodies
4. Which form is the infectious stage of a *Tania saginata* (tapeworm) for human?
   a. Cysticerci in the beef
   b. Gravid proglottids in the feces
   c. Mature worm
   d. Larvae in the feces
5. Which one is considered a zoonotic disease?
   a. HIV
   b. Trench fever
   c. Brucellosis
   d. None

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6. Gonorrhea is caused by the bacteria _____ .
   a. *Trachomatis gonorrhosis*
   b. *Treponema pallidum*
   c. *Gonorrheae pavilidis*
   d. *Neisseria gonorrhoeae*
7. Yellowing of skin is the sign of what virus?
   a. Hepatitis
   b. HIV
   c. Herpes
   d. HSV
8. What is the relationship in which one organism benefits from another without helping or harming it?
   a. Parasitism
   b. Commensalism
   c. Mutualism
   d. None
9. Which one of the following are signs for Alzheimer's?
   a. Old age, odd behavior, repetition
   b. Loss of appetite, memory loss, old age
   c. Shortness of breath, fatigue, old age
   d. Loss of appetite, fatigue, lack of hygiene
10. In 1979, scientists announced that they had successfully eliminated a disease. Which of the following disease was eliminated?
    a. German pox
    b. Chicken pox
    c. Polio
    d. Smallpox
11. Which hormone, when secreted, reduces the blood glucose in normal individuals?
    a. Growth hormone
    b. Glucagon
    c. Epinephrine
    d. Insulin

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12. Which order of the level of organization of life is correct?
    a. Organ → Tissue → Organism → Molecule → Cell → Organ system
    b. Molecule → Cell → Organism → Macromolecule → Organelle → Organ
    c. Cell → Organ → Tissue → Organism → Molecule → Atom
    d. Atom → Molecule → Macromolecule → Organelle → Cell → Tissue
13. What blood component is likely to increase in quantity when the body is infected with bacteria?
    a. Leukocytes
    b. Thrombocytes
    c. Platelets
    d. Erythrocytes
14. The lymphatic system
    a. Pickup fluid leaked from blood vessels and returns it to the blood
    b. Responds to internal and external changes by activating appropriate muscles and glands
    c. Produce heat
    d. Secretes hormones that regulate processes such as growth, reproduction and nutrients use
15. How does a person acquire a nosocomial diseases?
    a. From being inside a healthcare facility
    b. From being bitten by an infected insect
    c. From being infected with the common cold virus through nose
    d. From using a contaminated needle