2012 E.C Higa model boarding school *BIOLOGY* work sheet for grade 9th student

Questions from *unit three, choose the correct answer for the given questions*

1. Which of the following are the products of an aerobic respiration?
   A. Oxygen and water B. Water and carbon dioxide C. Ethanol and water D. Lactic acid &ethanol
2. Which of the following is correct about blood vessels?
   A. Capillaries are site of exchange of materials B. Arteries have valves
   C. Veins have thick walls D. Arteries have thin walls
3. Why the muscle walls on the left side of the heart are are thicker than the muscle walls on the right ventricle? Because
   A. Pumps the blood to relatively shorter distance B. Protect the heart from external damage
   C. Pumps the blood to relatively longer distance D. Receive much of the digested food to build them
4. Which of the following is the function of bile?
   A. Facilitate protein digestion B. Facilitate carbohydrate digestion C. It kills Bactria
   D. It emulsifies fat
5. What do we call the reactions that breaks down carbohydrate, protein &fats in to their monomer units during digestion?
   A. Hydrolysis B. Dehydration C. Condensation D. Mastication
6. The reaction that is immediate source of energy for cellular activities is
   A. ADP +P + energy------ATP + H_2O B. ATP-----ADP +Pi C. $6CO_2 + 6H_2O$-------$C_6H_{12}O_6$
   D. All
7. Which one of the following components of the blood play important role in clotting blood during injuries?
   A. Plasma B. RBC C. WBC D. Platelets
8. Which one of the following is NOT made up of water soluble protein?
   A. Enzyme B. Hormone C. Keratin D. Antibodies
9. Red blood cells carry oxygen all over your body & supply it to your body cells. These is because RBC have
   A. Antigen B. Nucleus C. Antibody D. Hemoglobin
10. The three types of human blood vessels are
    A. Artery, vein & capillaries B. aorta, vena cava, and capillaries
    C. hepatic artery, pulmonary vein, and renal vein D. Hepatic artery, pulmonary artery and renal artery
11. Which of the following functions of blood vessels is true?
    A. Pulmonary vein carries deoxygenated blood from lung to the heart C. Veins always carry blood towards the heart
    B. Umbilical vein carries deoxygenated blood from placenta to the fetus D. Arteries always carry oxygenated blood
12. Which of the following breathing structure separates human thorax and abdomen?
    A. Ribs B. Bronchus C. Diaphragm D. Trachea
13. The first step during artificial respiration is

A. Calling for help loudly B. Checking the casualty is conscious C. Checking for breathing D. Opening of the airway.

14. What is the importance of ATP in the human body? It helps to
    A. carry out metabolism B. carry out passive transport processes
    C. carries out diffusion processes D. gets the right color of the body skin
15. Which of the following structures of the heart is correctly matched with its function?
    A. Left ventricle – contracts and forces the blood out to the lungs
    B. Right ventricle – receives deoxygenated blood from the body
    C. Left atrium – receives oxygenated blood from the lungs
    D. Right atrium – contracts and forces blood out of the body
16. IN human digestive system, where does absorption of food take place? In the
    A. Small intestine B. Stomach C. Large intestine D. Mouth
17. Which of the following statements is true about enzymes? They are
    A. Found only in the small intestine
    B. Proteins that speed up specific reactions
    C. Free from the effects of different P^H levels
    D. Important to absorb digested food
18. During cellular respiration ATP is made from
    A. ADP and phosphorous B. ADP and Nitrogen C. ADP and phosphate D.ADP and Nitrate
19. What is balanced diet? It is the diet which contains enough of
    A. Amino acids and vitamins B. Vitamins & minerals C. All major food types D. Protein and carbohydrates
20. Food travels from mouth to stomach through
    A. Epiglottis B. Trachea C. Wind pipe D. Esophagus
21. Which of the following blood groups has no antigen on the red blood cells?
    A. AB B. O C. B D. A
22. The valve of the heart plays a significant role to
    A. Allow the transport of blood in the right direction B. supply blood to cardiac muscle and atrium
    C. Transport deoxygenated blood in to the lung D. Transport oxygenated blood to the rest of the body
23. During delivery, a pregnant woman those blood types **O** has lost a lot of blood .The doctor ordered her family to get a blood donor. What should be the blood type of the donor?
    A. B B.O C. A D. AB
24. The transportation of oxygen and nutrients within the human body is facilitated by the
    A. Excretory system B. Nervous system C. Respiratory system D. Circulatory system
25. Which of the following blood transfusion is **NOT** compatible? From blood group
    A. O in to A B. AB in to O C. B in to AB D. O in to B