

**UNIVERSITY OF UYO, UYO**  
**2006/2007 POST-UME SCREENING EXERCISE**  
**BIOLOGY 0410 2006/2007**

***Instructions: from the options lettered A-D pick the correct answer and shade accordingly.***

1. The dentition of a herbivore is distinct from that of other animals due to the presence of A. Diastema B. Cusps on molar teeth C. canines D. ridges on a molar teeth.
2. Which of the following parasites is a flat worm? A. Plasmodium B. Trypanosome C. Ascaris D. Schistosoma.
3. During a prolonged exercise, glucose in the muscle is converted to A. pyruvic acid B. lactic acid C. co-enzyme D. ethanol.
4. The characteristics of vertebrates that is common to mammals is A. The presence of pentadactyl limbs B. the possession of scrotum C. parental care D. pulmonary circulation.
5. The order in which organic evolution as progressed in plant is A. thallophytaschizophyta, bryophyte, pteridophytaspermatouhyte B. bryophyte, pteridophyta, spermatophyte, thallophyta and schizophyta C. pteridophyta, spermatophyte thallophyta, and schizophyta D. schizophyta, thallophyta, bryophyte, pteridophyta, and spermatophyte.
6. Bacteria in the large intestine of man is important in the A. digestion of vegetables B. synthesis of vitamin and K B2 C. synthesis of vitamins A and D. D. absorption of water.
7. serum differs from blood plasma because it A. contains blood cells and fibrinogen B. contain soluble food and mineral salts C. lacks blood cells and albumin D. lacks the blood protein fibrinogen.
8. For growth to occur in organisms, the rate of A. anabolism must exceed that of catabolism B. catabolism must exceed that of anabolism C. food storage must be low D. food storage must be high.
9. The part of the brain that controls body posture in mammals is the A. thalamus B. cerebrum C. spinal cord D. cerebellum.
10. The inner ear contains two main organs, namely the A. ear drum and Eustachian tube B. oval window and Ossicles C. cochlea and semi-circular canals D. Pinna and cochlea.
11. Shortsightedness can be corrected by lenses, which are A. convex B. concave C. Plano-convex D. biconvex

12. In which part of the human boy does the secretion of the growth hormone occur? A. gonads B. waist region C. neck region D. head region.
13. In which of the following organisms does each cell combine the functions of nutrition to production and growth? A. rhizopus B. dryopters C. btachymerium D. spirogyra.
14. The modes of nutrition in nitrobacterascaris and homo sapiens respectively are A. photosynthetic, parasitic and holozoic. B. chemosynthetic, parasitic and holozoic C. phosynthetic, parasitic and heterophylic D. chemosynthetic, holozoic.
15. Yellowing of leaves is a symptom associated with deficiency of A. iron, calcium and magnesium B. nitrogen sulphur and potassium C. sulphur, phosphor and iron D. magnesium, nitrogen and iron.
16. In apical germination, the cotyledon are A. carried boy the ground by the elongating hypocotyls B. pulled underground by the elongating hypocotyls C. pared underground by the elongating epicotyls D. carried above the ground by the elongating epicotyl.
17. The manufacture of carbohydrates by plant takes place only in A. the leaves B. green stems C. chlorophyllus parts D. flowering parts.
18. Regulation of blood sugar level takes place in the A. pancreas B. ileum C. liver D. kidney
19. In adult mammalian blood the cells which lack nuclei are the A. erythrocytes B. lymphocytes C. leucocytes D. phagocytes
20. One of the ways in which body cells differ from gamete cells is the A. type of centromes they contain B. number of chromosome pairs they contain C. type of chromatids they contain D. number of chromosomes they contain.
21. Which of the following is the youngest plant tissue? A. meristem B. phloem C. epidermis D. xylem
22. The endoblast cells found in hydra are used for A. reproduction B. offense and defense C. locomotion D. food
23. Annelids differ from nematodes in that A. exhibit bilateral symmetry B. are tripoblastic C. are metamerically segmented D. possess complete digestive system.
24. In ferns, the sporophyte A. develops from a haploid zygote B. reproduces sexually to produce spore C. is haploid and dependent on the gametophyte D. is diploid and independent of the gametophyte
25. The nitrogenous substance that is excreted by birds in order to conserve water is  
A. ammonia B. urea C. uric acid D. nitric acid.

### **ANSWERS FOR BIOLOGY 2006/2007**

1.A 2.D 3.B 4.D 5.D 6.A 7.D 8.A 9.D 10.C 11.B 12.D 13. 14.B 15.D 16.A 17.A 18.C  
19.A 20.D 21.A 22.B 23.C 24.D 25.C

### **UNIVERSITY OF UYO, UYO 2007/2008 POST-UME SCREENING EXERCISE BIOLOGY 0410 2007/2008**

***Instructions: from the options lettered A-D pick the correct answer and shade accordingly.***

1. The element that is essential for the coagulation of blood is A. potassium B. calcium C. phosphorus D. iron.
2. Stomata pores opens when there is A. an increase in the osmotic concentration of guard cells B. a decrease in the osmotic concentration of guard cells. C. a decrease in the sugar content of mesophyll cells.D. an increase in the sugar content of mesophyll cells.
3. The process of deamination is essential for the A. digestion protein B. secretion of bile C. synovial membrane D. ligament.
4. The companion are part of the A. pericycle B. phloem C. pith D. xylem
5. The substance that is responsible for apical growth in plants is known as A. gibberellins B. tannin C. auxin D. kinin
6. The part of the brain that regulates most biological cycles in human is A. olfactory lobe B. optic lobe C. medulla oblongata D. pineal body.
7. Which of the following organelles are likely to be present in cells that are actively respiring and photosynthesizing? A. nucleolus and centurries B. mitochondria and chloroplasts C. lysosomes and ribosomes D. golgi apparatus and endoplasmic reticulum
8. The regulation of water and salt in body in order to maintain a stable environment is called A. water B. precipitation C. equilibrium D. homeostasis
9. Which of the following group of blood is universal done A. B B. A. C. AB D. O
10. Which class of animals does the prawn belong? A. chilopola B. arachnida C. crustacean D. insect

11. All of following are preferably safe methods of birth control EXCEPT the use of  
A. condoms B. spermicides creams C. intrauterine device D. the withdrawal method.
12. the process by which poisonous substances in the body are made harmless by the liver is A. dehydration B. detoxification C. deamination D. emulsification.
13. Which part of the light microscope is responsible for reflecting light into the condenser? A. eye piece B. objective lens C. mirror D. stage
14. Which of the following organisms does NOT exist as a single cell? A. amoeba B. chlamydomonas C. paramecium D. spirogyra
15. The scientist who discovered the cell while examining a thin slice of corn under the microscope was A. theoderschwann B. mathiasschleiden C. Robert hooke D. purkinje
16. The branch of biology which deals with the resemblances, origin and expression of biological variation is called A. entomology B. genetics C. embryology D. mycology
17. Anatomy is the study of \_\_\_\_ and \_\_ A. forms and structure B. forms and cell C. tissue and organ D. tissue and structure
18. \_\_ is the systematic study of the natural phenomena in the environment  
A. anatomy B. cell C. science D. botany
19. Cell comes from pre-existing cell as a law given by A. Charles darwin B. Charles lams C. Robert Hooke D. Rudollvirenow
20. Using the pun net square by Whitaker, the genotype ratio in the second law A. 3:1 B. 1:3 C. 1:2:1:2:1 E. 4:3;1
21. Groups of cell grouped together link up to produce \_\_ A. cells B. issue C. organs D. system
22. The capacity of living organisms to respond to internal and external stimuli is \_\_\_\_\_ A. excretion B. nutrition C. irritability D. respiration
23. \_\_\_\_\_ organisms possess living and non-living quality A. viruses B. fungi C. algae D. A and B
24. Carl Linnaeus proposed \_\_\_\_\_ systems of naming  
A. 10 B. 5 C. 6 D. 7
25. The role of organism in the environment is termed \_\_\_\_ A. biome B. niche C. ecoli D. catalyze

### ANSWERS – BIOLOGY 2007/2008

- 1.B 2.B 3.A 4 5.C 6. 7B 8.D 9.D 10.C 11.D 12.B 13.C 14.D 15.C 16.B 17.A 18.C 19.D 20.C 21.B 22.C 23.A 24.D 25.B

**UNIVERSITY OF UYO, UYO**  
**2008/2009 POST-UME SCREENING EXERCISE**  
**BIOLOGY 0410 2008/2009**

***Instruction: from the options lettered A-D pick the correct answer and shade accordingly.***

1. Protoplasm = Nucleus \_\_\_\_\_ A. Atom B. proton C. cytoplasm D. Golgi body
2. The outer covering of plants cells is \_\_\_\_\_ A. membrane B. cell wall C. cytoplasm D. plasma
3. The heart pumps blood to all part of the body true/false?
4. \_\_\_\_\_ blood vessel carries blood away from the heart A. vein B. capillaries C. arteries D. muscles
5. The shoulder blade is also called \_\_\_\_\_ A. scalp B. tissue C. scapular D. tendon E. filament
6. Ribosome is one of the organelles responsible for \_\_\_\_ A. fighting foreign

---

*This is a free sample from the complete University of Uyo Post UTME Past Questions and Answers (updated 2016)*

*Here is the deal:*

*70% of those who see this Free sample that you're looking at will go get the **complete** genuine **updated** version at [Uniuyoinfo.com](http://Uniuyoinfo.com)*

*If you are also serious about your future; you should go get it too...*

*No,*

*Seriously, You need to get this Updated Past Questions.*

*[www.uniuyoinfo.com/pq](http://www.uniuyoinfo.com/pq)*

**Get the Complete Uniuyo Post UTME Past Questions at [uniuyoinfo.com/pq](http://uniuyoinfo.com/pq)**