

PRACTICE TEST II  
Bio/AP/Genetics/Life Sci

1. Bending arm at elbow to touch shoulder with hand is
  - A. Supination
  - B. Rotation
  - C. Flexion
  - D. Extension
  
2. The knee is \_\_\_\_\_ to the hip.
  - A. Proximal
  - B. Anterior
  - C. Sagittal
  - D. Distal
  
3. An example of a sugar is
  - A. Riboflavin
  - B. Lipid
  - C. Amino acid
  - D. Sucrose
  
4. The building blocks of proteins are
  - A. amino acids
  - B. steroids
  - C. fatty acids
  - D. soaps
  
5. All refer to DNA except
  - A. stores genetic information
  - B. deoxyribose as its sugar
  - C. single stranded
  - D. helix form

6. The overall reaction of cellular respiration is
- A. glucose + oxygen  $\rightarrow$  carbon dioxide + water + energy
  - B. maltose + oxygen  $\rightarrow$  carbon dioxide + water + energy
  - C. sucrose + oxygen  $\rightarrow$  carbon dioxide + water + energy
  - D. lactose + oxygen  $\rightarrow$  carbon dioxide + water + energy
7. The organelle in which the Krebs Cycle occurs
- A. ribosomes
  - B. lysosome
  - C. nucleus
  - D. mitochondria
8. To view bacteria for its form or shape, one would use the
- A. high power objective
  - B. low power
  - C. oil immersion
  - D. scanning objective
9. The function of this organelle is protein synthesis
- A. ribosomes
  - B. lysosomes
  - C. plastids
  - D. cilia
10. The Golgi body functions as a (n)
- A. warehouse and repacking plant
  - B. factory
  - C. transporter
  - D. grocery store
11. In mitosis, the chromosomes are aligned in the center of the cell during
- A. anaphase
  - B. telophase
  - C. metaphase
  - D. prophase

12. Meiosis occurs in which organs?

- A. Reproductive
- B. Digestive
- C. Respiratory
- D. Urinary

13. A disease caused by a deficiency of thiamine is

- A. anemia
- B. scurvy
- C. beriberi
- D. thalassemia

14. Disease caused by vitamin D deficiency

- A. night blindness
- B. rickets
- C. scurvy
- D. cramps

15. The following are all parts of the digestive system except

- A. esophagus
- B. pancreas
- C. stomach
- D. bladder

16. The blood first enters the heart from the

- A. vena cavae
- B. pulmonary artery
- C. aorta
- D. left auricle/atrium

17. The nerve leading from the eye to the brain

- A. tympanic
- B. optic
- C. auditory
- D. spinal

18. Insulin is produced in the

- A. kidney
- B. pancreas
- C. liver
- D. gall bladder

19. The knee cap is called the

- A. femur
- B. tarsal
- C. frontal
- D. patella

20. The adrenal glands are closest to the

- A. liver
- B. kidney
- C. stomach
- D. ovary

21. Scarlet fever is caused by

- A. streptococcus
- B. meningococcus
- C. pneumococcus
- D. salmonella

22. The carrier of malaria is a

- A. fly
- B. wasp
- C. mosquito
- D. flea

23. Today we live in the \_\_\_\_\_ Era

- A. Paleozoic
- B. Mesozoic
- C. Cenozoic
- D. Archeozoic

24. If a child is 1 month old, the child would be a

- A. neonate
- B. infant
- C. child
- D. adolescent

25. In pea plants yellow Y is dominant over green y. A hybrid yellow plant would be written as

- A. Yy
- B. YY
- C. yy
- D. YX

26. If parents have the blood type AA and OO, the children would be

- A. AB
- B. AA
- C. OO
- D. AO

27. The \_\_\_\_\_ is the functional unit of the kidney.

- A. nephron
- B. neuron
- C. proton
- D. neutron

28. Protein is obtained from this food group
- A. meat
  - B. bread
  - C. dairy
  - D. fruit
29. When blue litmus turns red this is an indicator for
- A. acid
  - B. base
  - C. salt
  - D. soap
30. During the Krebs Cycle
- A. Energy stored in pyruvate is transferred to NADH and FADH<sub>2</sub>
  - B. 16 ATP are produced
  - C. lactic acid and pyruvic acid are consumed
  - D. ketones and acetones are produced
31. The sex of the child is determined by the
- A. male
  - B. female
  - C. either male or female
  - D. neither male or female
32. The basic unit of the lung
- A. capillary
  - B. alveoli
  - C. bronchi
  - D. trachea
33. The heart is composed of \_\_\_\_\_ muscle.
- A. smooth
  - B. skeletal
  - C. cardiac
  - D. striated

34. Sperm have haploid number of chromosomes due to
- A. mitosis
  - B. meiosis
  - C. fertilization
  - D. cleavage
35. \_\_\_\_\_ stores starch in green plants
- A. pith
  - B. phloem
  - C. xylem
  - D. cambium
36. \_\_\_\_\_ is the top portion of the pistil.
- A. style
  - B. stigma
  - C. ovary
  - D. sepal
37. Which is the most plentiful in air?
- A. nitrogen
  - B. oxygen
  - C. carbon dioxide
  - D. hydrogen
38. Passive immunity to diphtheria may be achieved by taking an injection of a(n)
- A. vaccine
  - B. toxin
  - C. toxoid
  - D. antitoxin
39. The cloud that occurs at greatest height
- A. cirrus
  - B. cumulus
  - C. nimbus
  - D. stratus

40. The universal blood donor is

- A. AB
- B. A
- C. B
- D. O

41. The universal recipient is

- A. AB
- B. A
- C. B
- D. O

42. The vitamin that helps in blood coagulation

- A. C
- B. D
- C. E
- D. K

43. Bacilli are bacteria shaped like

- A. rods
- B. beads
- C. spirals
- D. cocci

44. In plants \_\_\_\_\_ help regulate water

- A. plastids
- B. microtubules
- C. vacuoles
- D. centrioles



45. Cell, tissue , \_\_\_\_\_, organ, system

- A. organ
- B. organelle
- C. population
- D. community

46. The Mesozoic Era is the age of the

- A. fish
- B. reptiles
- C. amphibians
- D. humans

47. The Father of genetics is

- A. Pasteur
- B. Newton
- C. Mendel
- D. Curie

48. Water vapor in the air is called

- A. dew
- B. rain
- C. breeze
- D. humidity

49. The boundary where two air masses meet is a

- A. drift
- B. current
- C. front
- D. stream

50. Which of the following bodily substances is a catalyst?

- A. bile
- B. water
- C. enzyme
- D. hemoglobin

51. The largest part of the central nervous system is

- A. cerebellum
- B. medulla
- C. cerebrum
- D. spinal cord

52. I will score well on this exam

- A. Yes!
- B. Most certainly!
- C. Sure!
- D. You bet!

## Answer Key

- |       |       |          |
|-------|-------|----------|
| 1. C  | 18. B | 35. A    |
| 2. D  | 19. D | 36. B    |
| 3. D  | 20. B | 37. A    |
| 4. A  | 21. A | 38. D    |
| 5. C  | 22. C | 39. A    |
| 6. A  | 23. C | 40. D    |
| 7. D  | 24. B | 41. A    |
| 8. C  | 25. A | 42. D    |
| 9. A  | 26. D | 43. A    |
| 10. A | 27. A | 44. C    |
| 11. C | 28. A | 45. B    |
| 12. A | 29. A | 46. B    |
| 13. C |       | 47. C    |
| 14. B | 30. A | 48. D    |
| 15. D | 31. A | 49. C    |
| 16. A | 32. B | 50. C    |
| 17. B | 33. C | 51. C    |
|       | 34. B | 52. ABCD |