Integumentary System Practice Test

1. [Image of skin layers]

2. [Image of skin layers]

3. layer

4. [Image of skin layers]

5. The structure(s) of the integumentary system involved in protection is (are)
   A. hair  B. skin  C. nails  D. all of the above

6. What vitamin is synthesized when the skin is exposed to sunlight?

7. What is the histology of the epidermis?

8. The layer of the skin that contains cells undergoing mitosis is the:

9. The extra layer of the skin that is found in the soles of the feet:

10. What layer of the epidermis is most superficial?

11. Some people only ‘burn” when exposed to the sun. The reason they do not tan is that:
    A. they do not have a gene for tanning
    B. their melanocytes are inactive
    C. they don’t have enough keratinocytes
    D. all of the above
12. Hair, epidermis, and nails are all made up of:
   A. keratin     B. vitamin D  C. adipose     D. collagen

13. What are the 4 types of general receptors located in the skin?

14. Which specific touch receptor picks up deep pressure and vibrations?

15. Which layer of the skin serves as an insulator and energy reserve?
   A. epidermis    B. dermis       C. hypodermis   D. endodermis

16. Which of the layers picks up sensory stimuli?
   A. epidermis    B. dermis       C. hypodermis   D. endodermis

17. Which gland functions as a microbial inhibitor?
   A. sweat        B. mammary     C. ceruminous  D. sebaceous

18. Which of the following is a nutrient source for bacteria?
   A. sweat        B. mammary     C. ceruminous  D. sebaceous

19. What are 3 functions of hair?

20. What is the organ that holds the hair in place?
   A. shaft        B. papilla     C. follicle    D. none of these

21. This type of burn appears inflamed and tender but has no blisters
22. A type of burn that affects all the epidermis and part of the dermis:

23. If a man burns his total left arm and half of the front of his chest, what percentage of his body is burned?

24. Which of the following is usually life threatening:
   A. basal cell carcinoma    B. melanoma

25. Which of the following is characterized by dark coloring:
   A. basal cell carcinoma    B. melanoma

26. If a 35 year old female has a thigh measurement of 34mm, iliac crest of 12mm, and triceps of 25mm, what is her percent body fat?

27. Which of the following body areas would have a relatively large amount of meissner’s corpuscles?
   A. knees       B. scalp       C. lips       D. sole of foot
28. The cuticle is the extension of what structure?

29. The area of compression at the proximal end of the nail termed:

30. What causes cellulite?

31. What angle would you use to do an intramuscular injection?

32. What is the laser attracted to in hair removal?