The Integumentary System : Study Guide Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Answer ALL of the questions accurately and completely ( excluding any \*\*material ) for applied test credit.

1. List 4 general functions of the integumentary system.

2. List the 2 major components of the integumentary system. \*\*Be able to recognize these structures on a composite diagram.\*\*

3. List (IN ORDER from new to old) the five layers of the epidermis. How long does it take a cell to move from the bottom to the top?

4. Describe (IN DETAIL) the stratum basale.

5. a) Why does the stratum spinosum resemble a pin cushion?

b) Why is the stratum granulosum grainy in appearance?

c) Where in the body is the stratum lucidum found?

6. Describe (IN DETAIL) the stratum corneum.

7. a) What causes skin pigmentation?

b) Describe carotene.

c) Describe melanin including its function.

d) What determines pigmentation differences among individuals?

8. What are two functions of the dermis?

9. List and describe the two regions of the dermis.

10. a) Another name for the subcutaneous is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .

b) List two of its functions.

11. List 4 functions of pili.

12. a) \*\*Know the location of the hair follicle and the hair shaft.

b) Describe the germinal matrix.

c) Describe the arrector pili muscle.

13. List three factors that determine natural hair color.

14. How does hair become gray?

15. Describe sebaceous glands.

16. Differentiate between apocrine and merocrine sweat glands.

17. What are the products of ceruminous and mammary glands?

18. Describe in medical terms the location of nails.

19. What is “normal” body temperature? (both scales!) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. Compare and contrast excessive heat loss with heat production.

21. a) Define fever.

b) What causes fever?

c) What is interleukin and how does it work?

d) Is a fever good or bad for the body? EXPLAIN!

22. \*\*Know the following : eczema, tinea pedis, pediculosis, scabies, dandruff, acne, shingles, warts, staphylococcus aureus, and hives.