A. **Label the parts of the skin:** (2 points x 8 = 16 points)
B. **True or False? (2 points x 10 = 20 points)**

1. True
2. True
3. True
4. False
5. True
6. True
7. False
8. True
9. True
10. True

C. **Multiple Choice Questions: (2 points x 10 = 20 points)**

1) b. Skin Cancer
2) c. Too much time indoors and usage of strong sunscreens
3) d. Fibroblasts
4) b. Major mechanism to maintain body warmth
5) c. Melanin changes
6) d. Stratum Basale
7) c. Superficial
8) c. Hypodermis – Connection
9) b. Elastic
10) d. Stratum Basale
D. Fill in the blanks: (2 points x 12 = 24 points)

1. The dermis is composed mainly of **connective tissue**.
2. The secretion which lubricates and inhibits the growth of bacteria on the skin is called **sebum**.
3. Hair develops from a group of epidermal cells at the base of a tube-like depression called a(n) **follicle**.
4. Mammary glands are modified **sweat glands**.
5. The stratum germinativum contains both stem cells and **melanocytes**.
6. An abnormal growth in epidermal cells is most likely **basal cell carcinoma**.
7. The characteristic protein of hair and nails is the fibrous, insoluble protein called **keratin**.
8. The terms “thick skin” and “thin skin” are used in reference to the relative thickness of the **epidermis** and not to the skin as a whole.
9. The thick skin of the palms and the soles has epidermal **ridges** that increase friction and improve gripping ability.
10. Both the **autonomic** nervous system and hormones control secretion by glands and contraction of myoepithelial cells.
11. Sebum is produced in **Sebaceous** glands.
12. Sweat is produced in **Sudoriferous** glands.
E. **Match the following: (1 point x 10 = 10 points)**

1) Keratinocytes  
   Protection and Water-proof

2) Merkel cells  
   Sensory Receptors

3) Langerhans cells  
   Helps immunity

4) Basal cell carcinoma  
   Common cancer but easy to cure

5) Melanoma  
   Fatal and complicated cancer

6) Stratum Basale  
   Cell Division

7) Melanin  
   Gives skin color

8) Palm  
   Stratum Lucidum

9) Botox  
   Skin treatment

10) Basal cells  
    Stem cells
F. Diagnose the skin diseases: (5 points x 2 = 10 points)

Picture 1: Athlete’s Foot

Causes:

- Fungal infection
- Sweaty feet, tight shoes, wet feet

Remedies:

- antifungal sprays & creams

Picture 2: Warts

Causes:

- viral infection of the skin or mucous membrane

Remedies:

- Chemicals/medications (over the counter & prescribed)
- Freezing warts with liquid nitrogen OR burning (more serious)