

# Utah Master Esthetician Practice Exam (Sample)

## Study Guide



**Everything you need from our exam experts!**

**Copyright © 2025 by Examzify - A Kaluba Technologies Inc. product.**

**ALL RIGHTS RESERVED.**

**No part of this book may be reproduced or transferred in any form or by any means, graphic, electronic, or mechanical, including photocopying, recording, web distribution, taping, or by any information storage retrieval system, without the written permission of the author.**

**Notice: Examzify makes every reasonable effort to obtain from reliable sources accurate, complete, and timely information about this product.**

**SAMPLE**

## **Questions**

- 1. Which muscle is commonly treated with Botox to address marionette lines?**
  - A. Frontalis**
  - B. Zygomatic major/minor**
  - C. Masseter**
  - D. Orbicularis oculi**
- 2. What enzyme is derived from animals?**
  - A. Bromelain**
  - B. Papain**
  - C. Pancreatin**
  - D. Ficin**
- 3. What does comfrey root ointment help with?**
  - A. Bruising or pulled muscles**
  - B. Sunburn relief**
  - C. Anti-aging effects**
  - D. Moisturizing dry skin**
- 4. What physical phenomenon describes the change in laser spot size from the skin's surface to deeper tissue?**
  - A. Refraction**
  - B. Dermal Scattering**
  - C. Absorption**
  - D. Diffusion**
- 5. Who is responsible for regulating safety in the workplace?**
  - A. National Safety Council**
  - B. American Health Association**
  - C. Occupational Safety and Health Administration**
  - D. Environmental Protection Agency**

- 6. What phase of hair growth is known as the transitional phase?**
- A. Anagen**
  - B. Telogen**
  - C. Catagen**
  - D. Exogen**
- 7. What is another term for a hair follicle?**
- A. Sebaceous gland**
  - B. Dermal papilla**
  - C. Pilosebaceous unit**
  - D. Keratinocyte**
- 8. Which of the following is an example of a proteolytic substance?**
- A. Mineral**
  - B. Enzyme**
  - C. Vitamin**
  - D. Hormone**
- 9. What is a primary use of salicylic acid in skincare?**
- A. Moisturizing dry skin**
  - B. Treating acne**
  - C. Whitening skin tone**
  - D. Reducing hyperpigmentation**
- 10. Melanocytes, Merkel cells, and Langerhans cells are found in which layer of the skin?**
- A. Stratum corneum**
  - B. Stratum lucidum**
  - C. Stratum granulosum**
  - D. Stratum germinativum**

## **Answers**

SAMPLE

- 1. B**
- 2. C**
- 3. A**
- 4. B**
- 5. C**
- 6. C**
- 7. C**
- 8. B**
- 9. B**
- 10. D**

SAMPLE

## **Explanations**

SAMPLE



**1. Which muscle is commonly treated with Botox to address marionette lines?**

- A. Frontalis**
- B. Zygomatic major/minor**
- C. Masseter**
- D. Orbicularis oculi**

The zygomatic major and minor muscles are correctly identified as the muscles commonly treated with Botox to address marionette lines. Marionette lines are the folds that run from the corners of the mouth down to the chin, which can make a person appear sad or older. These lines are often formed due to the action of the zygomatic muscles, which play a key role in facial expressions, particularly smiling. When Botox is injected into the zygomatic major and minor, it relaxes these muscles, reducing the movement that contributes to the formation of marionette lines. This treatment can create a smoother appearance around the mouth, improving the overall aesthetic of the lower face. Other muscles mentioned, such as the frontalis, masseter, and orbicularis oculi, serve different functions in facial expression and are targeted for other concerns—forehead lines, jaw clenching, and crow's feet, respectively—but they are not directly involved in the formation of marionette lines. Hence, the focus on the zygomatic major and minor for this specific concern highlights their significance in both function and aesthetics in relation to marionette lines.

**2. What enzyme is derived from animals?**

- A. Bromelain**
- B. Papain**
- C. Pancreatin**
- D. Ficin**

Pancreatin is the enzyme derived from animals, specifically from the pancreas of pigs or cattle. It is a mixture of digestive enzymes including amylase, lipase, and proteases, which play a crucial role in breaking down carbohydrates, fats, and proteins in the digestive process. This makes pancreatin particularly useful in various medical and health-related applications, including supplements for people with digestive disorders. Bromelain, derived from pineapple, is primarily known for its anti-inflammatory properties. Papain comes from papayas and is commonly used for its meat tenderizing capabilities and aiding digestion. Ficin is an enzyme extracted from figs and shares some similarities with papain. Thus, the context surrounding these other enzymes underscores that pancreatin is uniquely sourced from animal origins.

### 3. What does comfrey root ointment help with?

**A. Bruising or pulled muscles**

**B. Sunburn relief**

**C. Anti-aging effects**

**D. Moisturizing dry skin**

Comfrey root ointment is historically recognized for its efficacy in treating bruises and pulled muscles due to its unique compounds such as allantoin, which promotes skin healing and tissue repair. This ointment is often used in topical applications to facilitate the body's natural healing processes, making it particularly beneficial for contusions and strains. While comfrey may have other potential benefits, such as general skin soothing properties, its primary and most scientifically supported use lies in alleviating discomfort associated with injuries like bruises and muscle strains. This differentiates it from treatments that are more specifically aimed at sunburn relief, anti-aging effects, or moisturizing capabilities, which may not directly relate to the primary benefits of comfrey root ointment in clinical and traditional usage contexts.

### 4. What physical phenomenon describes the change in laser spot size from the skin's surface to deeper tissue?

**A. Refraction**

**B. Dermal Scattering**

**C. Absorption**

**D. Diffusion**

The correct choice is associated with the physical phenomenon of dermal scattering. This occurs as light (in this case, laser light) penetrates the skin and interacts with various tissues. When laser light passes through the skin's surface, it encounters different cellular structures, including collagen fibers, fat, and blood vessels. These interactions cause the light to scatter, which leads to a change in the laser spot size as it moves from the more superficial layers of the skin into deeper tissues. Understanding that scattering is crucial for practitioners because it influences how energy is delivered to the tissues at different depths. The broader the scattering, the larger the area of influence, which can affect treatment outcomes. Factors that influence dermal scattering include the wavelength of the laser, the density of the tissue, and the optical properties of the various layers within the skin. In contrast, refraction involves the bending of light as it passes through materials of different densities, which does not specifically describe the change in size of the laser spot. Absorption refers to the energy absorbed by tissues, while diffusion relates to the spreading out of particles in a medium but is not the primary phenomenon responsible for changes in spot size in this context. Thus, dermal scattering is the most accurate description of the observed effect.

**5. Who is responsible for regulating safety in the workplace?**

- A. National Safety Council**
- B. American Health Association**
- C. Occupational Safety and Health Administration**
- D. Environmental Protection Agency**

The Occupational Safety and Health Administration (OSHA) is the primary federal agency responsible for ensuring safe and healthy working conditions for employees in the United States. Established under the Occupational Safety and Health Act of 1970, OSHA's role includes developing and enforcing workplace safety standards, providing training, outreach, education, and assistance to employers and employees. This agency focuses on reducing workplace hazards, ensuring safe work practices, and protecting the well-being of workers in various industries. OSHA's regulations apply to a wide range of workplace environments and cover areas such as exposure to hazardous materials, proper use of personal protective equipment, and guidelines for improving overall workplace safety. By establishing and enforcing standards, OSHA plays a crucial role in preventing workplace injuries and illnesses, thereby promoting a safer work environment for everyone. In contrast, other organizations mentioned, such as the National Safety Council and the American Health Association, focus on safety awareness and health advocacy but do not have regulatory authority. The Environmental Protection Agency (EPA) primarily deals with environmental protection and regulations related to pollutants and environmental health rather than specific workplace safety standards. Therefore, OSHA is the correct choice as the regulatory body specifically tasked with workplace safety in the United States.

**6. What phase of hair growth is known as the transitional phase?**

- A. Anagen**
- B. Telogen**
- C. Catagen**
- D. Exogen**

The transitional phase of hair growth is referred to as the catagen phase. During this phase, which usually lasts a few weeks, the hair follicles shrink, and the hair growth slows down significantly. It's a critical period where the hair detaches from its blood supply and prepares to be shed. The catagen phase is essential in the overall hair lifecycle, as it marks the end of active growth from the anagen phase and transitions towards the telogen phase, where the hair is at rest and eventually falls out. Understanding this phase is crucial for estheticians, as it informs them about the natural hair shedding process and how it relates to hair treatments and overall skin and hair health. The other phases, such as anagen (growth phase), telogen (resting phase), and exogen (shedding phase), each play different roles in the hair cycle but do not represent the transitional characteristics found specifically in the catagen phase.

**7. What is another term for a hair follicle?**

- A. Sebaceous gland**
- B. Dermal papilla**
- C. Pilosebaceous unit**
- D. Keratinocyte**

The term "pilosebaceous unit" is the correct term that collectively refers to the hair follicle, the associated sebaceous gland, and the hair itself. This unit functions as a whole to support hair development and provides essential oils to the hair and skin through the sebaceous gland. The interaction between these components is critical, as the sebaceous gland secretes sebum that lubricates the hair and skin, contributing to their overall health. Other terms often referenced in the context of hair and skin include the sebaceous gland, which refers specifically to one particular part of the unit, the dermal papilla that is located at the base of the hair follicle and is crucial for hair growth, and keratinocytes, which are skin cells responsible for the production of keratin in the hair and skin. However, none of these terms encapsulate the entire structure as effectively as "pilosebaceous unit" does. Thus, this term best describes the collective nature of the hair follicle and its associated components.

**8. Which of the following is an example of a proteolytic substance?**

- A. Mineral**
- B. Enzyme**
- C. Vitamin**
- D. Hormone**

A proteolytic substance is one that breaks down proteins into smaller peptides or amino acids through enzymatic action. Enzymes are biological catalysts that facilitate biochemical reactions, including the digestion of proteins. Proteolytic enzymes, specifically, help in hydrolyzing the peptide bonds between amino acids, making them important in various biological processes, including digestion and cellular functions. While minerals, vitamins, and hormones play significant roles in the body, they do not have the defining action of breaking down proteins like proteolytic enzymes do. Minerals are essential nutrients that perform various structural and functional roles in the body, vitamins are organic compounds that support various biochemical processes, and hormones are signaling molecules that regulate physiological processes. None of these categories intrinsically provide the proteolytic function that distinguishes enzymes, particularly proteolytic enzymes.

**9. What is a primary use of salicylic acid in skincare?**

- A. Moisturizing dry skin**
- B. Treating acne**
- C. Whitening skin tone**
- D. Reducing hyperpigmentation**

Salicylic acid is primarily used for treating acne due to its ability to penetrate the pores and exfoliate the inside of hair follicles. This exfoliation helps to remove excess oil and dead skin cells, which are common contributors to the formation of acne and clogged pores. Additionally, salicylic acid has anti-inflammatory properties that can reduce the redness and swelling associated with acne breakouts. In contrast, while some other options are important aspects of skincare, they do not align with the primary function of salicylic acid. For instance, the role of moisturizing dry skin is typically associated with hydrating ingredients rather than exfoliating acids. Likewise, skin whitening and the reduction of hyperpigmentation typically involve other agents, such as hydroquinone or vitamin C, rather than salicylic acid, which primarily focuses on treating acne through exfoliation and pore unclogging.

**10. Melanocytes, Merkel cells, and Langerhans cells are found in which layer of the skin?**

- A. Stratum corneum**
- B. Stratum lucidum**
- C. Stratum granulosum**
- D. Stratum germinativum**

The correct answer is associated with the stratum germinativum, also known as the stratum basale. This layer is the deepest part of the epidermis and is crucial for the development and renewal of skin cells. Within this layer, melanocytes are responsible for producing melanin, which gives skin its color and provides protection against UV radiation. Merkel cells function as mechanoreceptors, playing a key role in the sense of touch, while Langerhans cells are part of the immune system, helping to defend against pathogens that penetrate the skin. The presence of these specialized cells in the stratum germinativum highlights its vital role in both skin pigmentation and sensory functions, as well as immune response. This is significant because it underscores the multifunctional nature of this skin layer, differentiating it from the other layers where the functions and types of cells are more specialized or not as diverse.