

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (DERMATOLOGY) EXAMINATION – JANUARY 2020**

**Date :-** 20<sup>th</sup> January 2020

**Time:-** 1.00 p.m. – 3.00 p.m.

**WRITTEN EXAMINATION**

**S1 – PAPER I (THEORY I)**

Answer all four (04) questions.

Answer each question in a separate book.

1. Define paraneoplastic dermatoses and briefly describe causative mechanisms involved, giving examples. (100 marks)
  
2.
  - 2.1. List the main types of collagen found in the skin and briefly describe their functions. (20 marks)
  - 2.2. List five (05) congenital and five (05) acquired diseases which occur due to defects of skin collagen. (50 marks)
  - 2.3. What are the therapeutic uses of collagen? (30 marks)
  
3.
  - 3.1. Draw and label the nail unit. (30 marks)
  - 3.2. Discuss the nail changes in chronic plaque psoriasis and the pathological basis for them. (30 marks)
  - 3.3. Outline the general measures, topical and systemic agents that can be used in the treatment of nail psoriasis. (40 marks)
  
4.
  - 4.1. Outline the mechanisms of action of systemic antifungal agents. (20 marks)
  - 4.2. Outline the factors and mechanisms of antifungal resistance. (60 marks)
  - 4.3. Mention five (05) possible reasons for treatment failure in antifungal therapy. (20 marks)

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**Time:-** 3.15 p.m. – 4.00 p.m.

**WRITTEN EXAMINATION**

**S1 – PAPER II (THEORY II)**

Answer all three (03) questions.

Answer each question in a separate book.

1. A 26-year-old female presented with multiple, asymptomatic hypopigmented patches on the body of 8 months duration.
  - 1.1. Give five (05) differential diagnoses and mention two (02) clinical features supportive of each which help to differentiate between them. (60 marks)
  - 1.2. List the two (02) most important investigations with interpretation for this patient. (30 marks)
  - 1.3. This patient was lost to follow up, and presented 2 years later with spontaneous complete resolution of the lesions. What are the two (02) most likely diagnoses? (10 marks)
  
2. A 62-year-old post kidney transplant male, presented with one week history of fever and vesicles over the face and trunk. Some vesicles showed central necrosis and crusting.
  - 2.1. List four (04) possible causes. (40 marks)
  - 2.2. List four (04) investigations. (30 marks)
  - 2.3. Mention specific treatment for each condition listed in 2.1. (30 marks)

Contd.../2-

3. A 52-year-old female presented to dermatology ward with a two day history of fever and joint pain. She had indurated erythematous plaques with vesicles, over the limbs as well as on the recent (two week) appendicectomy scar.
- 3.1. Give three (03) differential diagnoses for this presentation. (30 marks)
- 3.2. Mention three (03) investigations that will help to differentiate between these conditions. (30 marks)
- 3.3. Outline the management of one (01) of the conditions given in 3.1. (40 marks)