

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

**MD (DERMATOLOGY) EXAMINATION – JANUARY 2022**

**Date:-** 24<sup>th</sup> January 2022

**Time:-** 9.00 a.m. -11.00 a.m.

**WRITTEN EXAMINATION**

**S1 – PAPER I (THEORY I)**

Answer all four (04) questions.

Answer each question in a separate book.

1. Define and briefly describe the aetiopathogenesis of neutrophilic dermatoses.  
Propose a clinically oriented histopathological classification with examples and outline the steps in the management of neutrophilic dermatoses. (100 marks)
  
2.
  - 2.1. Briefly describe cutaneous manifestations of active Covid-19 infection with a short note on pathogenesis and clinical significance. (50 marks)
  - 2.2. Outline the management modifications to be considered when planning Covid-19 vaccination for a patient on long term immunosuppression/immunomodulation. (38 marks)
  - 2.3. List three (03) personal protective equipment related dermatoses with measures to minimize them. (12 marks)

Contd...../2-

3.

3.1. What features differentiate the cutaneous innate immune system from the adaptive immune system? (30 marks)

3.2.

3.2.1. What are anti-microbial peptides? (10 marks)

3.2.2. Mention the important sources and the major families of human skin derived anti-microbial peptides. (20 marks)

3.3. Discuss the role of keratinocytes in skin infections. (40 marks)

4.

4.1. Briefly describe clinical features of retiform purpura with a view to identifying the underlying aetiology. (50 marks)

4.2. Mention how histology of a retiform purpuric lesion helps in differentiating the underlying pathology. (30 marks)

4.3. List five (05) haematological investigations relevant to a patient with livedoid vasculopathy. (20 marks)

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**Time:-** 11.15 a.m. – 12.00 noon

**WRITTEN EXAMINATION**

**S1 – PAPER II (THEORY II)**

Answer all three (03) questions.  
Answer each question in a separate book.

1. A new born was referred with skin lesions present since birth, initially red which subsequently turned blue. Examination revealed widespread erythematous and blue coloured oval/circular macules, papules and nodules mainly distributed on the trunk, head and neck.
  - 1.1. Give two (02) pathological processes which explain this clinical presentation. (30 marks)
  - 1.2. List two (02) causes for each condition mentioned in 1.1. (40 marks)
  - 1.3. Mention three (03) important investigations to establish the diagnosis. (30 marks)
  
2. A 27-year-old woman presented with progressive, tender deep red nodules on abdomen and both upper limbs of 6-months duration. Upper arm lesions healed with scarring.
  - 2.1. Mention three (03) differential diagnoses for the above scenario. (30 marks)
  - 2.2. List four (04) most important investigations you would perform to arrive at a diagnosis. (40 marks)
  - 2.3. Mention the findings of the most useful investigation to differentiate between the three (03) conditions mentioned in 2.1. (30 marks)
  
3. A 35-year-old man with severe acne on Minocycline treatment for past 6 weeks developed fever, arthralgia and a skin rash of 2weeks duration.
  - 3.1. Give two (02) differential diagnoses. (20 marks)
  - 3.2. Briefly discuss five (05) relevant investigations to support your diagnoses. (50 marks)
  - 3.3. Outline the management of one (01) of the conditions mentioned in 3.1. (30 marks)