

Master Copy

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (DERMATOLOGY) EXAMINATION – JANUARY 2016

Date :- 11th January 2016

Time :- 1.00 p.m. – 3.00 p.m.

THEORY A – LONG QUESTIONS

Answer all questions.

Answer each question in a separate book.

1.1. Discuss the main dermatological indications for the use of methotrexate and explain the mechanisms of action. (40 marks). List the adverse effects and discuss methods to minimise them. (40 marks)
Outline the management of methotrexate toxicity. (20 marks)

2.

2.1. Mention the types of sweat glands found on the human skin with a simple diagram showing their appearance in vertical section and discuss similarities and differences between these. (40 marks)

2.2. Outline two (02) tests that can be used to test sweat gland function. (12marks)

2.3.

2.3.1. List three (03) causes of hyperhidrosis. Choose one (01) of these and discuss the clinical features, diagnosis and management. (24 marks)

2.3.2. List three (03) causes of hypohidrosis. Choose one (01) of these and discuss the clinical features, diagnosis and management. (24 marks)

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3.
 - 3.1. Classify cutaneous tuberculosis based on the factors which influence its clinical manifestations. (35 marks)
 - 3.2. Describe briefly the clinical features of three (03) common presentations of cutaneous tuberculosis. (30 marks)
 - 3.3. Discuss briefly the relevance of investigations in diagnosing cutaneous tuberculosis. (35 marks)

4.
 - 4.1. List five (05) autoantibodies relevant to skin diseases. (15 marks)
 - 4.2. Describe the use of direct and indirect immunofluorescence in the investigation of skin conditions. (40 marks)
 - 4.3. Outline the pathogenesis and treatment of two (02) autoimmune skin diseases. (45 marks)

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Time :- 3.15 p.m. – 4.00 p.m.

THEORY B – STRUCTURED TYPE

Answer all questions.

Answer each question in a separate book.

1. A 10 day old baby presents with generalised erythema and scaling.
 - 1.1. What is this clinical entity? (05 marks)
 - 1.2.
 - 1.2.1. List three (03) life threatening complications. (15 marks)
 - 1.2.2. List five (05) simple tests you would perform. (40 marks)
 - 1.3. List five (05) possible causes for this appearance. (40 marks)

2. A 6 year old girl presents with a four months history of soreness and itching in the vulval and perineal region. Redness and erosions are seen on examination but there is no rash elsewhere.
 - 2.1. List five (05) possible diagnoses. (25 marks)
 - 2.2. List three (03) appropriate investigations. (15 marks)
 - 2.3. Describe the Clinical features and management of two (02) of the conditions listed in 2.1. (60 marks)

3. A 35 year old mason, presents with intensely itchy skin lesions of 3 weeks duration. He has presented with similar skin eruptions on and off and had been prescribed intermittent courses of oral corticosteroids. Later he had self administered steroids as his symptoms subsided only with steroids. On examination he has generalised excoriated lesions and striae over axillae and thighs. His blood pressure is 180/100 mmHg.
 - 3.1. Mention two (02) differential diagnoses for his current presentation. (20 marks)
 - 3.2. List four (04) important investigations mentioning their relevance. (40 marks)
 - 3.3. Mention two (02) steroid sparing drugs you would offer for his long term skin disease with two relevant pre treatment investigations for each. (40 marks)