

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MD (DERMATOLOGY) EXAMINATION – JANUARY 2015

Date :- 19th January 2015

Time :- 1.00 p.m. - 3.00 p.m.

THEORY A - LONG QUESTIONS

Answer all questions.

Answer each question in a separate book.

1. Describe the mechanism of action (30 marks), clinical indications (10 marks) and pathogenesis of three (03) life-threatening adverse effects of Dapsone. (30 marks)
Outline the precautions that should be taken before starting a patient on this drug. (30 marks)

2.
 - 2.1. Discuss briefly the types of skin ageing and list five (05) cutaneous signs unique to each. (30 marks)

 - 2.2. Enumerate three (03) changes in skin histology and three (03) changes in skin biology seen in ageing. (30 marks)

 - 2.3.
 - 2.3.1. Name three (03) inflammatory skin diseases and five (05) skin tumours (benign and malignant) common in the elderly. (16 marks)

 - 2.3.2. Briefly outline treatment modalities available for skin ageing. (24 marks)

Contd..../-2

3.
 - 3.1. Discuss briefly the pathogenesis of acne vulgaris. (30 marks)
 - 3.2.
 - 3.2.1. Describe the clinical features of acne vulgaris. (15 marks)
 - 3.2.2. Outline how clinical features will influence the choice of a topical therapeutic agent. (15 marks)
 - 3.3. Outline the mode of action, indications and adverse effects of systemic Isotretinoin in acne vulgaris. (40 marks)
4.
 - 4.1. Briefly describe four (04) important mechanisms utilized by *Staphylococcus aureus* to evade normal host defence mechanisms of the skin. (28 marks)
 - 4.2. Discuss the pathogenesis, clinical features and management of Staphylococcal Scalded Skin Syndrome. (40 marks)
 - 4.3. Outline the steps involved in management of a patient with recurrent furunculosis, whose recent pus culture has become MRSA positive. (32 marks)

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Date :- 19th January 2015

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 42 year old male clerk presents with diffuse hyperpigmentation of the skin. It is gradual in onset and is progressive. He has used an ayurvedic decoction during the preceding three months for arthralgia and fatigue.
 - 1.1. List five (05) possible causes for hyperpigmentation in this patient. (25 marks)
 - 1.2. List and briefly indicate the significance of
 - 1.2.1. three (03) features in history and
 - 1.2.2. three (03) features on examination,which would help to establish a diagnosis. (36 marks)
 - 1.3. This patient's elder brother had similar features and a history of diabetes. He was admitted to hospital with severe shortness of breath and died. With this information,
 - 1.3.1. What is the most likely diagnosis? (20 marks)
 - 1.3.2. Name a confirmatory test for this diagnosis. (19 marks)

Contd..../2-

2. A 50 year old female presented with a history of episodic flushing of face and neck of 8 months duration. She is an executive holding a stressful job. She consumes moderate amounts of red wine. She exercises regularly. She was recently diagnosed with hypertension and has a recent history of wheezing.
- 2.1. Give four (04) possible causes for her flushing (may include both pathological and physiological causes). (28 marks)
- 2.2. Explain briefly the mechanisms of flushing. (32 marks)
- 2.3.
- 2.3.1. Mention three (03) other symptoms and/or signs which will enable you to arrive at a diagnosis. (20 marks)
- 2.3.2. Mention two (02) important investigations you would perform on this patient to confirm her diagnosis. (20 marks)
3. A 42 year old female presented with a two month history of lesions on her left shin. She suffers from seronegative arthritis and is treated with NSAIDs. She complains of diarrhoea but her appetite is good. She has a strong family history of diabetes. Her eyes are prominent. There are no palatal or fingertip ulcers. She has erythematous plaques with ulceration and scarring on her shins.
- 3.1. Mention three (03) likely diagnoses. (30 marks)
- 3.2. Outline two (02) additional cutaneous features of the conditions mentioned above and the most relevant single investigation for each. (45 marks)
- 3.3. Describe the salient histological features of one (01) condition. (25 marks)