



THE AUSTRALASIAN COLLEGE OF DERMATOLOGISTS

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TO: CANDIDATES FOR CLINICAL SCIENCES EXAMINATION

The examination will consist of one paper of two hours duration consisting of 90 multiple choice true/false questions on all aspects of the Clinical Sciences Curriculum as outlined in the Training Program Handbook. It will be held on Tuesday 6 June 2006. Information is given below. Five sample questions are enclosed.

MULTIPLE CHOICE EXAMINATIONS

1. DIRECTIONS TO CANDIDATES

The multiple choice answer sheets are read by an optical scanner attached to a computer which processes the results. This requires special **double sided** sheets which will be provided separately to the examination papers.

Your name and examination centre **must not** appear on the answer sheets.

Your identification number **must** appear on the answer sheets. If two answer sheets are required for an examination **make certain you have entered your identification number on each answer sheet. The name of the examination, eg. Clinical Sciences must also appear on the answer sheets. Use only a 2B pencil to mark the answer sheet.** To change an answer, use a rubber eraser. **You are expected to supply your own pencils and erasers.**

On completion of each paper, the paper and answer sheet **must** be returned to the examination supervisor. The examination papers are confidential and **must not** be removed from the examination room.

Each question consists of five items which are identified by the letters (a), (b), (c), (d) and (e). For each question **any or all** of the items may be true or false.

Selection of the correct response to an item will gain a score of +1. **Selection of the incorrect response or omission of a response to an item will be neither penalised nor rewarded and will be scored a zero.**

For each question, therefore, a score of +5 is gained if the correct responses to all five items are recorded, and a score of zero results if incorrect responses to all five items are recorded or responses are omitted.

2. HOW TO FILL IN THE ANSWER SHEET

Care on your part in keeping the answer sheets clean and ensuring that the only marks made are those used for filling in the response circles, will mean that the results for the examination are produced without delay, as sheets which are unreadable by the machine have to be entered by hand. Should you feel the need to indicate ambiguity in a question, please **do not write comments on the answer sheets**. You will be asked to complete an exit survey after each paper. Any comments you have should be made here.

Use a 2B pencil to fill in the circle indicating the correct response. To familiarise yourself with the format of the answer sheet and the correct method of recording your answer, an example of the answer sheet and an explanation of the marking follows.

3. METHOD OF MARKING

The questions are constructed to have five items in each question.

Candidates mark true or false to each item. A mark (+1) is given for each correct answer. Zero is given for any incorrect answer or failure to indicate a response.

e.g. If the correct answer is:

(a) true, (b) false, (c) true, (d) true, (e) false, the answer sheet is entered by the candidate as:

true: a, c, d

false: b, e

his/her score is +1 +1 +1 +1 +1 i.e. +5

If he/she has marked:

true: a, b, d

false: e

his/her score is +1 0 0 +1 +1 i.e. +3

CLINICAL SCIENCES MULTIPLE CHOICE SAMPLE QUESTIONS

REGARDING THE MARGINAL MANDIBULAR NERVE:

- a. It consists of a solitary ramus in approximately 20% of persons
- b. Injury leads to a loss of the ability of the affected side of the lip to be pulled downwards
- c. It is vulnerable to damage where it crosses the angle of the mandible
- d. It is pulled up above the mandibular ramus with rotation and hyperextension of the head
- e. It innervates part of the platysma

Answers:

- a. T
- b. F
- c. T
- d. F
- e. T

REGARDING IONISING RADIATION AND CELL DIVISION:

- a. Mitotic delay following radiation occurs mainly as a result of delay in G2
- b. The duration of mitotic delay is greatest for cells irradiated in G2
- c. Delay in the S-phase develops only in cells irradiated during the S-phase
- d. Cells lacking normal checkpoint genes are more resistant to radiation killing
- e. When a synchronous cell culture is irradiated, the plot of delay time v dose is exponential

Answers:

- a. T
- b. T
- c. T
- d. F
- e. F

REGARDING LANGERHANS CELLS:

- a. They have a lobulated nucleus
- b. They all express CD45 surface antigens
- c. Magnesium (Mg) ions amplify their antigen-presenting capacity
- d. Interleukin-4 (IL-4) inhibition of their migration occurs through down-regulation of TNF-RII in skin
- e. Increased numbers are present in chronically sun-damaged skin

Answers:

- a. T
- b. T
- c. F
- d. T
- e. F

REGARDING MERKEL CELLS:

- a. They are type II mechanoreceptors
- b. They are found in the outer root sheath of the hair follicle
- c. The immunohistochemical marker that is the most reliable for identification is cytokeratin 20 (K20)
- d. They contain 10-20nm diameter granules
- c. Their granules contain acetylcholine

Answers:

- a. F
- b. T
- c. T
- d. F
- e. T

REGARDING COLLAGEN:

- a. Type III is found in cartilage
- b. Type XIII is associated with adherens type junctions
- c. The FACIT group of collagens are secreted as procollagens
- d. The FACIT group of collagens form interconnecting fibrous networks independent of other fibrillar collagens
- e. Type XVI contains endostatin

Answers:

- a. F
- b. T
- c. F
- d. F
- e. F