

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF MEDICINE

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY DEGREE
PART 2 EXAMINATIONS

MBM 2204 : HISTOLOGY OF ORGANS

DATE : JANUARY 2007

TIME : 2 HOURS

Instructions to candidates

Answer all questions in sections A and B. You have 2 hours. You should aim to spend 1 hour on each section. Marks awarded for each question are indicated in brackets.

SECTION A (40 marks)

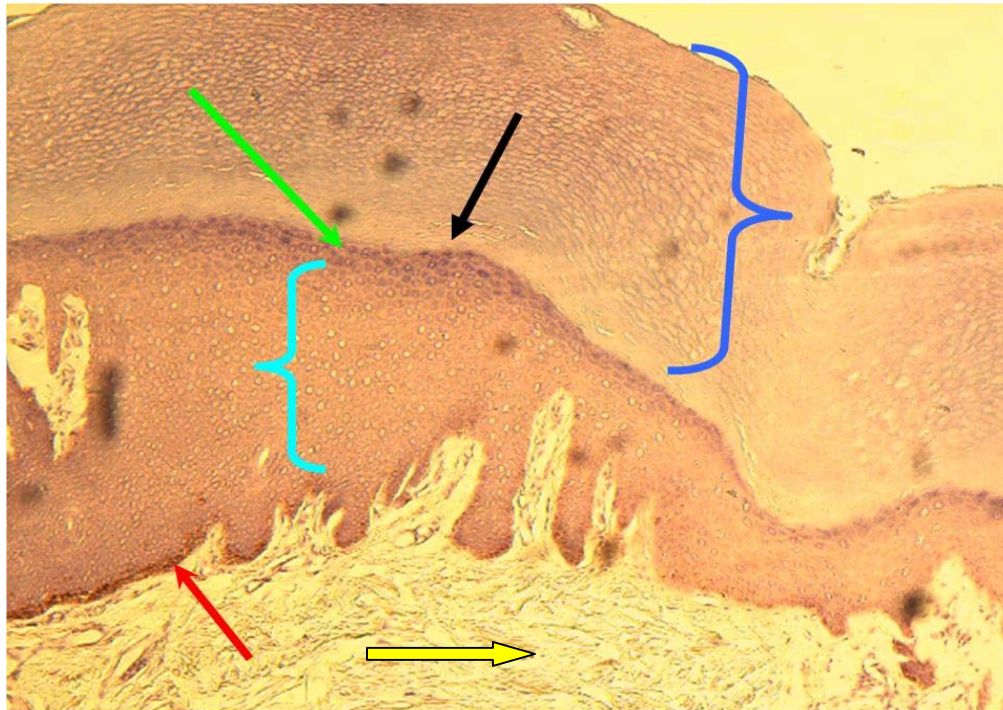
1. Draw and annotate the adrenal cortex and medulla. Describe the functions of the adrenal gland in your annotations. (10)
 2. Draw the basic structure of the wall of the gastrointestinal tract and annotate modifications in structure and function in the oesophagus, stomach, duodenum, ileum and colon. (20)
 3. Compare and contrast light and electron microscopy. (10)
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SECTION B (60 marks)

4. Describe the three basic types of epithelium. (9)

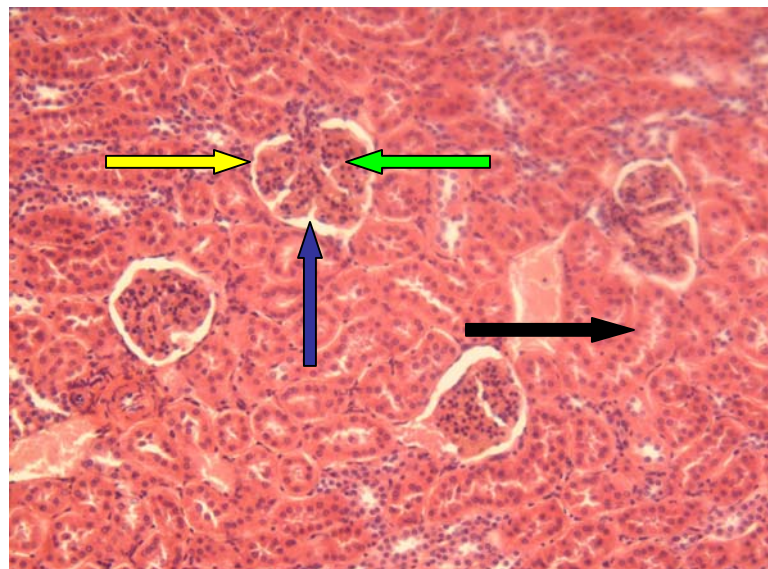
5. Annotate this slide of skin

(12)



6. Annotate this slide of the kidney

(4)



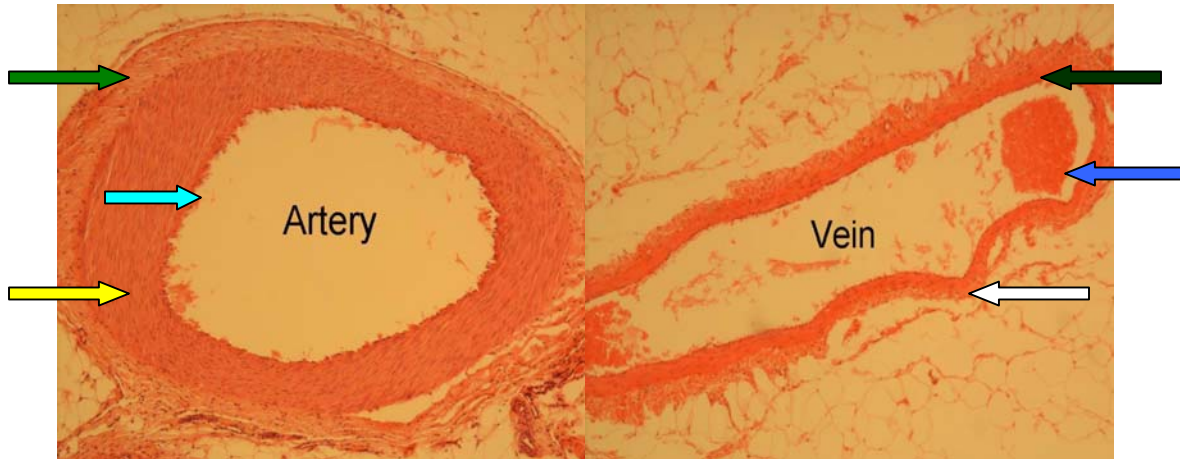
7. Compare and contrast smooth muscle and skeletal muscle

(3)

8. Describe the features of cardiac muscle

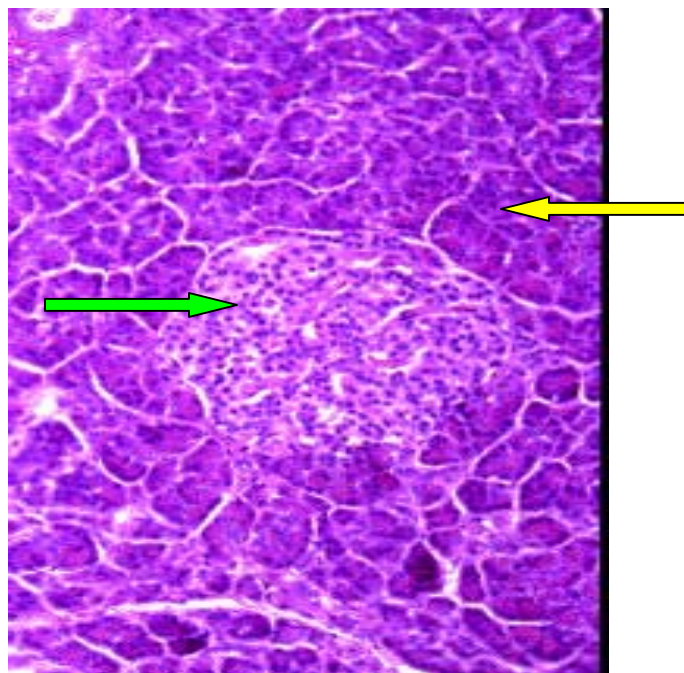
(3)

9. Annotate these slides. Describe the differences in structure and function.
(10)



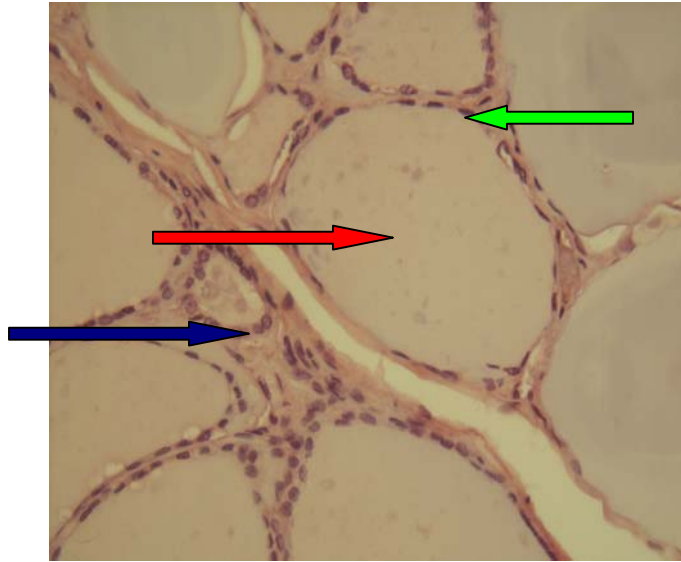
10. Label this slide (pancreas)

(2)



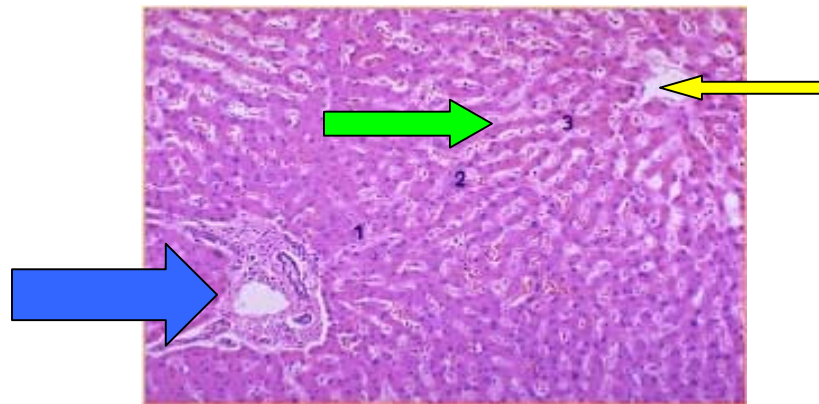
11. Label this slide (thyroid)

(3)



12. Label this slide (liver)

(6)



13. Label this slide

(4)



14. Label these slide of compact bone

(4)

