

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

SELECTION EXAMINATION FOR POSTGRADUATE DIPLOMA IN
ANATOMY – FEBRUARY 2013

ESSAY PAPER

Date :- 21st February 2013

Time :- 10.00 a.m. – 11.00 a.m.

Answer all questions.

Answer each question in a separate book.

1.
 - 1.1. List the factors that stabilize a synovial joint. (30 marks)
 - 1.2. Using an example of a synovial joint, describe how the factors mentioned in 1.1. help to stabilize it. (70 marks)

2.
 - 2.1. Draw a labeled diagram of a coronal section of the heart. (50 marks)
 - 2.2. Name the main arteries that supply the heart. (20 marks)
 - 2.3. Describe the light microscopic appearance of heart muscle. (30 marks)

3.
 - 3.1. List the components of the respiratory tract from the nasal cavity to the alveoli. (40 marks)
 - 3.2. Describe briefly the thoracic cage under the following headings:
 - 3.2.1. Skeletal framework (30 marks)
 - 3.2.2. Muscles (30 marks)

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4. Describe the thyroid gland under the following headings :

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|-------------------------|------------|
| 4.1. Location and parts | (25 marks) |
| 4.2. Blood supply | (25 marks) |
| 4.3. Related nerves | (25 marks) |
| 4.4. Applied anatomy | (25 marks) |