

本試題是否可以使用計算機：可使用，不可使用（請命題老師勾選）

請依序作答，本份試題限醫學工程研究所丙組 考生作答

一、Answer the following questions

1. The withdraw reflex can be induced as your hand touch a hot cup.  
Focused on the elbow joint, please describe the
  - (1) Bony structures of the above mentioned joint in detail. (8%)
  - (2) Muscle actions during the withdraw reflex (8%), and
  - (3) The central transmission of the noxious sense from skin to cerebral cortex. (10%)
2. Describe the fetal and postnatal circulation, be specified their difference. (10%)
3. Describe
  - (1) the muscles concern with respiration (6%) and
  - (2) the muscles concern with the increase of the abdominal pressure. (6%)
4. Describe the anatomical structure of male urethra. (12%)
5. Describe the large intestine including their characteristics of each part. (8%)

二、Short answers (2% each)

1. Bony landmark of scapula
2. The muscle component of oral diaphragm
3. List one upper limb vessel used in intravenous injection.
4. Contents in the gastrosplenic ligament.

三、Term definition (3% each)

1. Fossa (on the bone)
2. Rotation
3. Sacral canal
4. Conjunctiva
5. Bregma
6. Hernia
7. Fascia
8. Transtuberular plane