

INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BUMS LEVEL I – FIRST SEMESTER EXAMINATION – JULY 2016

ANATOMY - I
COURSE CODE – AS 1101

Time: 2 ½ hour
05.09.2016
1.45 p.m. – 4.15 p.m

Index No

Answer all questions.

Part I - Structured Questions

1.
a) Name two muscles in the neck through which roots of the brachial plexus emerge to form trunks. (01 Mark)

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b) Name two nerves which arise directly from the roots of the brachial plexus. (01 Mark)

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c) A patient recovering from stab injury to right lateral chest found to have prominent medial border of right scapula, specially when pushing his arm against the wall.

i. What is the clinical sign elicited? (01 Mark)

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ii. What is the muscle involved? (01 Mark)

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iii. What is the nerve involved? (01 Mark)

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d)
i. Name one nerve which has contributions from two cords of brachial plexus (01 Mark)

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ii. Name four muscles of the hand supplied by above mentioned nerve. (02 Marks)

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iii. What clinical features would you expect if there is an entrapment of the nerve mentioned above at wrist? (02 Marks)

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2.

a) Femur is the longest and heaviest bone in the body.
i. Give two structural adaptations for upright stance seen in femur. (01Mark)

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ii. Mention two gender differences seen in femur. (01 Mark)

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b) Draw a transverse section at mid thigh level and name the muscle compartments. (2.5 Marks)

c) i. Name three muscles belong to pes anserinus group. (1.5 Marks)

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ii. Mention the nerve supply of the each muscle you mentioned above. (1.5 Marks)

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d) Sciatic nerve is the largest peripheral nerve in the body. i. What are the root values of the sciatic nerve (0.5 Marks)

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ii. Name two terminal branches of sciatic nerve. (01 Mark)

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iii. What is the safest quadrant to administer intramuscular (IM) injections in the buttock to avoid sciatic nerve injury? (01 Mark)

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Part II - Essay Questions

1.
 - i. Describe the origin, course and distribution of ulnar nerve. (14 Marks)
 - ii. Briefly explain the clinical features expected to see in a patient with ulnar nerve injury at the distal part of the forearm (06 Marks)

2. Describe briefly the anatomy of axilla with regard to its boundary, walls and contents. (20 Marks)

3. Describe briefly the anatomy of the knee joint including its blood supply and innervations (20 Marks)
