UNIVERSITI KUALA LUMPUR
ROYAL COLLEGE OF MEDICINE PERAK

FINAL EXAMINATION
JULY 2025 SEMESTER

COURSE CODE	: RFD13603
COURSE NAME	: BASIC ANATOMY
PROGRAMME NAME	: DIPLOMA IN PHYSIOTHERAPY
DATE	: 17 SEPTEMBER 2025
TIME	: 9.00 AM – 11.00 AM
DURATION	: 2 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please read CAREFULLY the instructions given in the question paper.
2. This question paper has information printed on both sides of the paper.
3. This question paper consists of TWO (2) sections; Section A and Section B.
4. Answer ALL questions in Section A and THREE (3) questions in Section B.
5. Please mark/write your answers on the OMR answer script and answer booklet provided.
6. Answer all questions in English language ONLY.

THERE ARE 9 PAGES OF QUESTIONS, EXCLUDING THIS PAGE.

4. Identify the muscle responsible for protracting and rotating the scapula.
   A. Trapezius.
   B. Subclavius.
   C. Latissimus dorsi.
   D. Serratus anterior.

5. Find the ligament that attaches to the acromion bone and lateral clavicle.
   A. Conoid ligament.
   B. Trapezoid ligament.
   C. Coracoacromial ligament.
   D. Acromioclavicular ligament.

6.

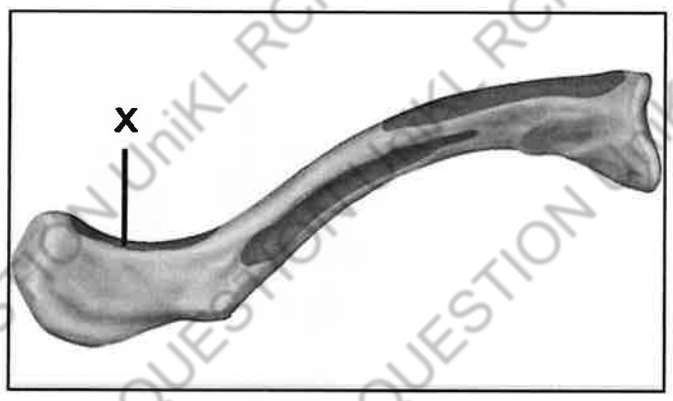

Diagram 2: Bone of the upper limb.

Select the muscle that attaches to **X**.
   A. Deltoid.
   B. Subclavius.
   C. Bicep brachii.
   D. Pectoralis major.

8. Identify the structure that has a convex surface and provides the proximal attachment of gluteus muscle.
   A. Iliac crest.
   B. Wing of ilium.
   C. Gluteal surface.
   D. Anterior superior iliac spine.

SECTION A: MULTIPLE CHOICE QUESTIONS (Total: 20 marks)

INSTRUCTION: Answer ALL questions.

Please use the OMR sheet provided.

1. Identify the plane that divides the body into anterior and posterior parts.

   A. Axial.

   B. Lateral.

   C. Frontal.

   D. Transverse.

2.

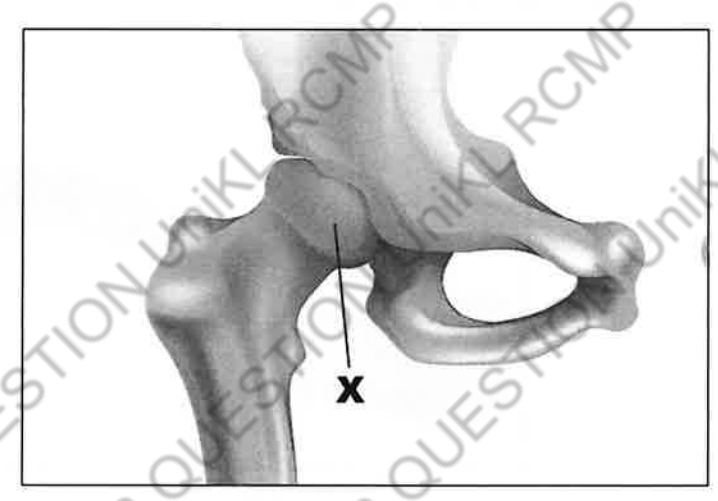

Diagram 1: Joint of the lower limb.

Select the type of joint that relates to **X**.

A. Hinge.

B. Saddle.

C. Condyloid.

D. Ball and socket.

3. Find the bony prominent process on the superolateral surface of costal scapula.

   A. Conoid.

   B. Coracoid.

   C. Acromion.

   D. Olecranon.

7. Select the carpal bones.

I. Lunate.
II. Hamate.
III. Pisiform.
IV. Metacarpal.

A. I and II.
B. II and IV.
C. I, II, and III.
D. II, III, and IV.

9. Find the action of hamstring.

A. Hip flexion.
B. Knee flexion.
C. Knee extension.
D. Ankle dorsiflexion.

10.

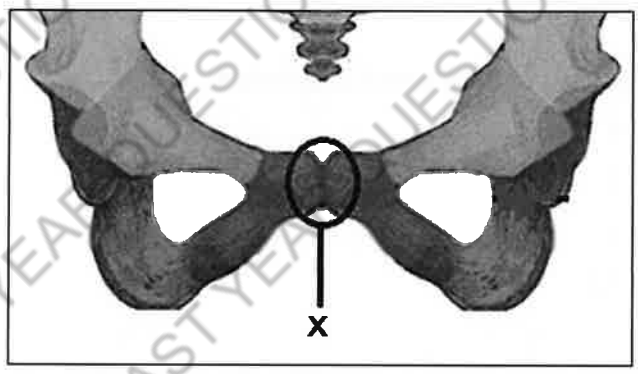

Diagram 3: The Ilium.

Identify **X**.

A. Ischial tuberosity.
B. Pubic symphysis.
C. Obturator foramen.
D. Superior rami of pubis.

11. What is the function of the medial collateral ligament?

A. Prevent lateral displacement of tibia.
B. Prevent medial displacement of tibia.
C. Prevent anterior displacement of tibia.
D. Prevent posterior displacement of tibia.

12. Select the bony prominence that is located at the medial aspect of distal tibia.
    A. Tibia notch.
    B. Head of talus.
    C. Medial maleolus.
    D. Lateral maleolus.

13. Find the main function of columnar-shaped epithelial tissues.
    A. Excretion.
    B. Protection.
    C. Absorption.
    D. Hormonal production.

14. Identify the common type of tissue found in the digestive organ.
    A. Simple columnar.
    B. Loose connective.
    C. Elastic connective.
    D. Reticular columnar.

15. Select the number of thoracic vertebra.
    A. 1
    B. 5
    C. 7
    D. 12

16. Find the muscle that is responsible for closing the eye.
    A. Epicranius.
    B. Buccinator.
    C. Zygomaticus.
    D. Orbicularis oculi.

17. Identify the total number of segments in the right lung's middle lobe.
    A. 1
    B. 2
    C. 3
    D. 4

18. Select the main posterior mediastinal structure of the lung.
    A. Trachea.
    B. Oesophagus.
    C. Arch of aorta.
    D. Descending thoracic aorta.

19. Find the lobe that is responsible for remembering things.
    A. Frontal.
    B. Parietal.
    C. Occipital.
    D. Temporal.

20. Identify the vertical membrane that separates two cerebral hemispheres.
    A. Falx cerebri.
    B. Falx cerebella.
    C. Transverse sinus.
    D. Tentorium cerebella.

SECTION B: MODIFIED ESSAY QUESTIONS (Total: 60 marks)

INSTRUCTION: This section consists of FOUR (4) questions.
Answer THREE (3) questions in the answer booklet provided.

Question 1

(a) List **FOUR (4)** cervical movements.

(4 marks)

(b) Describe about long bones.

(4 marks)

(c) List **TWO (2)** types of meninges membrane.

(2 marks)

(d) Explain **THREE (3)** main paired constituents of the Circle of Willis.

(6 marks)

(e) List **FOUR (4)** types of epithelial membranes.

(4 marks)

Question 2

(a)

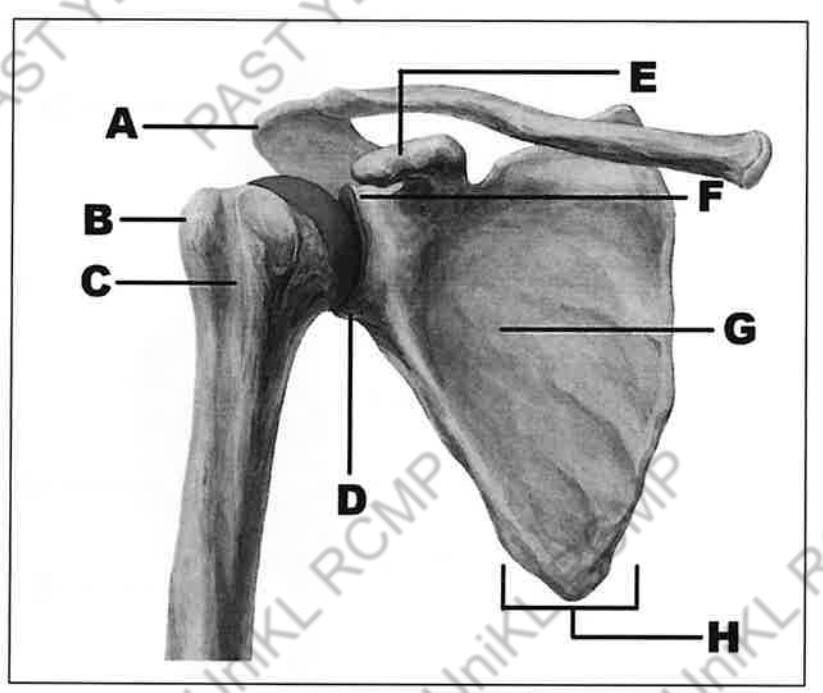

Diagram 4: The glenohumeral joint

Label the bone in Diagram 4.

(8 marks)

(b) Describe about trapezius.

(6 marks)

(c) Explain **TWO (2)** bursae in the shoulder joint.

(6 marks)

Question 3

(a)

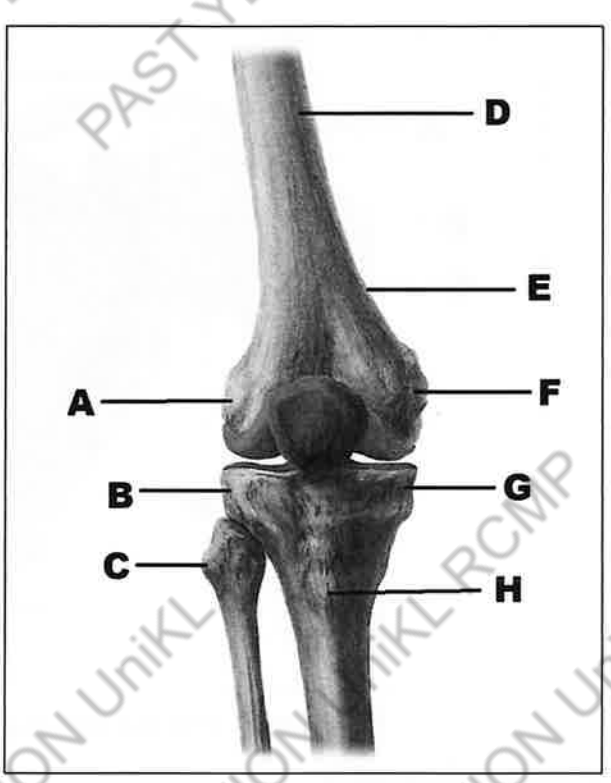

Diagram 5: Knee joint.

Label the bone in Diagram 5.

(8 marks)

(b) Describe about psoas major.

(6 marks)

(c) Explain about patellofemoral joint.

(6 marks)

Question 4

(a) Discuss **TWO (2)** major vessels of the heart.

(6 marks)

(b) List **FOUR (4)** muscles in the thoracic cage.

(4 marks)

(c) List **THREE (3)** extracapsular ligaments for the temporomandibular joint.

(3 marks)

(d) Describe about vertebral body.

(7 marks)

END OF EXAMINATION PAPER