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Competency Based LOGBOOK for 1st Professional MBBS

Anatomy

As per the Revised Competency Based Medical Education Curriculum (NMC)

Aditya Pratap Singh
Saumya Singh

JAYPEE

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AETCOM—Competencies for IMG-2024 as per guidelines of the National Medical Commission.

Section

1

Competency Assessment

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General Anatomy

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Describe and demonstrate normal anatomical position, various planes, relation, comparison, laterality and movements in the human body. AN 1.1							
2.	Describe and demonstrate various joints with possible movements, subtypes and examples. AN 2.5							
3.	Describe and demonstrate structure of skin with its appendages along with clinical anatomy. AN 4.2							
4.	Describe structure, contents and identify modifications of superficial fascia along with fat distribution in body. AN 4.3							
5.	Describe and demonstrate modifications of deep fascia with its location, function and examples. AN 4.4							

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General Histology

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Identify epithelium under the microscope and describe the various types that correlate to its function. AN 65.1							
2.	Describe and identify various types of connective tissue with functional correlation. AN 66.1							
3.	Describe and identify various types of muscle under the microscope. AN 67.1							
4.	Describe and identify multipolar and unipolar neuron, ganglia, peripheral nerve under the microscope. AN 68.1							
5.	Identify elastic and muscular blood vessels, capillaries under the microscope. AN 69.1							
6.	Identify exocrine gland under the microscope and distinguish between serous, mucous and mixed acini. AN 70.1							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
7.	Identify the lymphoid tissue under the microscope and describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function. AN 70.2							
8.	Identify bone under the microscope; classify various types and describe the structure-function correlation of the same. AN 71.1							
9.	Identify cartilage under the microscope and describe various types and structure—function correlation of the same. AN 71.2							
10.	Identify the skin and its appendages under the microscope and correlate the structure with function. AN 72.1							

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Upper/Superior Limb

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	**Attempt at activity** First only (F) Repeat (R) Remedial (Re)	**Rating** Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	**Decision of faculty** Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	**Feedback received** Initial of learner
1.	Identify the given bone, its side, anatomical position, joint formation, important features and clinical anatomy (clavicle, scapula, humerus, radius , ulna, carpal bones). AN 8.1							
2.	Demonstrate important muscle attachment on the given bone. AN 8.2							
3.	Identify and name various bones in articulated hand, specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform. AN 8.3							
4.	Identify and describe boundaries and contents of axilla. AN 10.1							
5.	Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery and tributaries of vein. AN 10.2							
6.	Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus. AN. 10.3							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	**Attempt at activity** First only (F) Repeat (R) Remedial (Re)	**Rating** Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	**Decision of faculty** Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	**Feedback received** Initial of learner
7.	Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi. AN 10.8							
8.	Describe and identify the deltoid and rotator cuff muscles along with their nerve supply and clinical anatomy. AN 10.10							
9.	Describe and demonstrate attachment, action and clinical anatomy of serratus anterior muscle. AN 10.11							
10.	Describe and demonstrate shoulder joint for—type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy. AN 10.12							
11.	Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachi. AN 11.1							
12.	Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm. AN 11.2							

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13.	Identify and describe boundaries and contents of cubital fossa. AN 11.5							
14.	Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions. AN 12.1							
15.	Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm. AN 12.2							
16.	Identify and describe flexor retinaculum with its attachments. AN 12.3							
17.	Identify and describe small muscles of hand. Also describe movements of thumb and muscles involved. AN 12.5							
18.	Describe and demonstrate movements of thumb and muscles involved. AN 12.6							
19.	Identify and describe course and branches of important blood vessels and nerves in hand. AN 12.7							
20.	Identify and describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths. AN 12.9							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	**Attempt at activity** First only (F) Repeat (R) Remedial (Re)	**Rating** Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	**Decision of faculty** Completed (C) Repeat (R) Remedial (Re)	**Initial of faculty and date**	**Feedback received** Initial of learner
21.	Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions. AN 12.11							
22.	Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm. AN 12.12							
23.	Identify and describe compartments deep to extensor retinaculum and describe the boundaries and contents of anatomical snuff box. AN 12.14							
24.	Identify and describe extensor expansion formation. AN 12.15							
25.	Identify and describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radioulnar joints, wrist joint and first carpometacarpal joint. AN 13.3							
26.	Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand. AN 13.5							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
27.	Identify and demonstrate important bony landmarks of upper limb: Jugular notch, sternal angle, acromial angle, spine of the scapula, vertebral level of the medial end, inferior angle of the scapula. AN 13.6							
28.	Identify and demonstrate surface projection of: cephalic and basilic vein, palpation of brachial artery, radial artery, testing of muscles: trapezius, pectoralis major, serratus anterior, latissimus dorsi, deltoid, biceps brachii, brachioradialis. AN 13.7							

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Lower/Inferior Limb

S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
1.	Identify the given bone, its side, anatomical position, joint formation, important features and clinical anatomy (hip bone, femur, tibia fibula, tarsal bones). AN 14.1							
2.	Identify and describe joints formed by the given bone. AN 14.2							
3.	Identify and name various bones in the articulated foot with individual muscle attachment. AN 14.4							
4.	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior thigh. AN 15.1							
5.	Describe and demonstrate major muscles with their attachment, nerve supply and actions. AN 15.2							

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S. No.	**Competency addressed**	**Name of the activity**	**Date completed dd-mm-yyyy**	**Attempt at activity** First only (F) Repeat (R) Remedial (Re)	**Rating** Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	**Decision of faculty** Completed (C) Repeat (R) Remedial (Re)	**Initial of faculty and date**	**Feedback received** Initial of learner
6.	Describe and demonstrate boundaries, floor, roof and contents of femoral triangle. AN 15.3							
7.	Describe and demonstrate adductor canal with its content. AN 15.5							
8.	Describe and demonstrate major muscles with their attachment, nerve supply and actions. AN 16.1							
9.	Describe and demonstrate structures under the cover of gluteus maximus. Also explain the anatomical basis of sciatic nerve injury during gluteal intramuscular injections. AN 16.2							
10.	Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions. AN 16.4							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
11.	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh. AN 16.5							
12.	Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa with its clinical anatomy. AN 16.6							
13.	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the hip joint. AN 17.1							
14.	Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions. AN 18.1							

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S. No.	**Competency addressed**	**Name of the activity**	**Date completed dd-mm-yyyy**	**Attempt at activity** First only (F) Repeat (R) Remedial (Re)	**Rating** Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	**Decision of faculty** Completed (C) Repeat (R) Remedial (Re)	**Initial of faculty and date**	**Feedback received** Initial of learner
15.	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg. AN 18.2							
16.	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, nerve supply, bursae around the knee joint along with anastomosis around the knee joint. AN 18.4							
17.	Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions. AN 19.1							
18.	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg. AN 19.2							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
19.	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply of tibiofibular and ankle joint. AN 20.1							
20.	Describe and demonstrate fascia lata, venous drainage, lymphatic drainage, retinacula and dermatomes of lower limb. AN 20.3							
21.	Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb. AN 20.6							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
22.	Identify and demonstrate important bony landmarks of lower limb: ◆ Vertebral levels of highest point of iliac crest, posterior superior iliac spines, iliac tubercle, pubic tubercle, ischial tuberosity, adductor tubercle ◆ Tibial tuberosity, head of fibula ◆ Medial and lateral malleoli, condyles of femur and tibia, sustentaculum tali, tuberosity of fifth metatarsal, tuberosity of the navicular. AN 20.7							
23.	Identify and demonstrate palpation of femoral, popliteal, posterior tibial, anterior tibial and dorsalis pedis arteries in a simulated environment. AN 20.8							

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S. No.	Competency addressed	Name of the activity	Date completed dd-mm-yyyy	Attempt at activity First only (F) Repeat (R) Remedial (Re)	Rating Below (B) expectations Meets (M) expectations Exceeds (E) expectations or Numerical scores	Decision of faculty Completed (C) Repeat (R) Remedial (Re)	Initial of faculty and date	Feedback received Initial of learner
24.	Demonstrate surface projection of femoral, popliteal, dorsalis pedis, post-tibial arteries, mid-inguinal point, femoral nerve, saphenous opening, sciatic, tibial, common peroneal and deep peroneal nerve, great and small saphenous veins. AN 20.9							

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Competency Based LOGBOOK for 1st Professional MBBS

Anatomy

This logbook is designed as per the latest guidelines of logbook module 2024 shared by NMC for implementation of Competency-based Medical Curriculum and recommended to be followed for the MBBS students from the academic year 2024–2025 onward. This logbook of Anatomy is a verified record of the progression of the learner documenting the acquisition of the requisite, knowledge, skills, attitude, and competencies. It is a tool that guides medical students by highlighting important clinical objectives promoting self-reflection, providing an opportunity to obtain feedback from preceptors, and the records can be used for formative and continuous assessment. Also, this logbook is an academic document that becomes both a snapshot of the progress of the learner as well as a prerequisite for progression to the next phase of learning or graduation from the course.

Salient Features

- Predefined skill competencies of Anatomy given in the UG curriculum module, volume I, 2024 for recording the activities conducted in a simple tabulated format based on NMC Logbook module
- Separate empty tables provided for add-on competencies needed by the department of Anatomy
- Separate sections provided for Alignment and Integration Topics (AITo), ECE, SDL, Humanities, and Extracurricular activities with ample space for reflective writing of the subject
- Separate section of AETCOM dedicated for Anatomy with modules and reflective writing space
- Recording of the details of assignment and assessment
- Separate sections provided for attendance record of the students and attending extra classes for poor attendance

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