

Shri Shankaracharya Institute Of Medical Sciences, Bhilai (C.G.)

ANATOMY

DEMONSTRATION:

COMPETENCY NO.	NAME OF COMPETENCY	NO. OF DEMOS
AN8.1 AN8.2 AN8.3 AN8.4	Identify the given bone, its side, important features & keep it in anatomical position Identify & describe joints formed by the given bone Enumerate peculiarities of clavicle Demonstrate important muscle attachment on the given bone	1
AN8.1 AN8.2 AN8.4 AN13.4	Identify the given bone, its side, important features & keep it in anatomical position Identify & describe joints formed by the given bone Demonstrate important muscle attachment on the given bone Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	1
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AN11.2 AN11.4	Identify & describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in arm Describe the anatomical basis of Saturday night paralysis	1
AN10.12	Describe and demonstrate shoulder joint for– type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy	1
AN12.5 AN12.6	Identify & describe small muscles of hand. Also describe movements of thumb and muscles involved Describe & demonstrate movements of thumb and muscles involved	1

AN8.1	Identify the given bone, its side, important features & keep it in anatomical position	2
AN8.5	Identify and name various bones in articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform	
AN8.6	Describe scaphoid fracture and explain the anatomical basis of avascular necrosis	
AN13.3	Identify & describe the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, blood and nerve supply of elbow joint, proximal and distal radio-ulnar joints, wrist joint & first carpometacarpal joint	
AN13.4	Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	
AN13.6	Identify & 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	1
AN13.7	Identify & 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	
AN13.5	Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand	2
AN14.1	Identify the given bone, its side, important features & keep it in anatomical position	2
AN14.2	Identify & describe joints formed by the given bone	
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AN14.2	Identify & describe joints formed by the given bone	
AN14.3	Describe the importance of ossification of lower end of femur & upper end of tibia	
AN14.1	Identify the given bone, its side, important features & keep it in anatomical position	2
AN14.2	Identify & describe joints formed by the given bone	
AN14.3	Describe the importance of ossification of lower end of femur & upper end of tibia	
AN14.1	Identify the given bone, its side, important features & keep it in anatomical position	1
AN14.2	Identify & describe joints formed by the given bone	
AN14.4	Identify and name various bones in the articulated foot with individual muscle attachment	2
AN20.7	Identify & 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	1
AN20.8	Identify & demonstrate palpation of femoral, popliteal, post tibial, anti tibial & dorsalis pedis blood vessels in a simulated environment	
AN20.9	Identify & demonstrate Palpation of vessels (femoral, popliteal, dorsalis pedis, post tibial), Mid inguinal point, Surface projection of: femoral nerve,	

	Saphenous opening, Sciatic, tibial, common peroneal & deep peroneal nerve, Great and small saphenous veins	
AN20.6	Identify the bones and joints of lower limb seen in anteroposterior and lateral view radiographs of various regions of lower limb	2
AN21.1 AN21.8 AN13.4	Identify and describe the salient features of sternum, typical rib, 1 st rib and typical thoracic vertebra Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints Describe Sternoclavicular joint, Acromioclavicular joint, Carpometacarpal joints & Metacarpophalangeal joint	1
AN21.1 AN21.2 AN21.10	Identify and describe the salient features of sternum, typical rib, 1 st rib and typical thoracic vertebra Identify & describe the features of 2 nd , 11 th and 12 th ribs, 1 st , 11 th and 12 th thoracic vertebrae Describe costochondral and interchondral joints	2
AN21.1 AN21.2 AN21.8	Identify and describe the salient features of sternum, typical rib, 1 st rib and typical thoracic vertebra Identify & describe the features of 2 nd , 11 th and 12 th ribs, 1 st , 11 th and 12 th thoracic vertebrae Describe & demonstrate type, articular surfaces & movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints	2
AN22.2 AN22.6	Describe & demonstrate external and internal features of each chamber of heart Describe the fibrous skeleton of heart	1
AN25.9	Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat & surface projection of valves of heart	1
AN25.7 AN25.8	Identify structures seen on a plain x-ray chest (PA view) Identify and describe in brief a barium swallow	1
AN26.1 AN26.2	Demonstrate anatomical position of skull, Identify and locate individual skull bones in skull Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	1
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AN26.2	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	2
AN26.3 AN30.1 AN30.2	Describe cranial cavity, its subdivisions, foramina and structures passing through them Describe the cranial fossae & identify related structures Describe & identify major foramina with structures passing through them	3
AN26.5 AN26.7 AN42.1	Describe features of typical and atypical cervical vertebrae (atlas and axis) Describe the features of the 7 th cervical vertebra Describe the contents of the vertebral canal	1
AN43.1	Describe & demonstrate the movements with muscles producing the movements of atlantooccipital joint & atlantoaxial joint	1
AN26.4	Describe morphological features of mandible	1
AN40.1	Describe & identify the parts, blood supply and nerve supply of external ear	1
AN40.2	Describe & demonstrate the boundaries, contents, relations and functional anatomy of middle ear and auditory tube	1
AN43.5 AN43.6	Demonstrate- 1) Testing of muscles of facial expression, extraocular muscles, muscles of mastication, 2) Palpation of carotid arteries, facial artery, superficial temporal artery, 3) Location of internal and external jugular veins, 4) Location of hyoid bone, thyroid cartilage and cricoid cartilage with their vertebral levels Demonstrate surface projection of- Thyroid gland, Parotid gland and duct, Pterion, Common carotid artery, Internal jugular vein, Subclavian vein, External jugular vein, Facial artery in the face & accessory nerve	1
AN43.7 AN43.8 AN43.9	Identify the anatomical structures in 1) Plain x-ray skull, 2) AP view and lateral view 3) Plain x-ray cervical spine-AP and lateral view 4) Plain x-ray of paranasal sinuses Describe the anatomical route used for carotid angiogram and vertebral angiogram Identify anatomical structures in carotid angiogram and vertebral angiogram	2
AN57.1 AN57.2 AN57.3 AN57.4 AN57.5	Identify external features of spinal cord Describe extent of spinal cord in child & adult with its clinical implication Draw & label transverse section of spinal cord at mid-cervical & mid-thoracic level Enumerate ascending & descending tracts at mid thoracic level of spinal cord Describe anatomical basis of syringomyelia	1
AN58.1 AN58.2 AN58.3 AN58.4	Identify external features of medulla oblongata Describe transverse section of medulla oblongata at the level of 1) pyramidal decussation, 2) sensory decussation 3) ION Enumerate cranial nerve nuclei in medulla oblongata with their functional group Describe anatomical basis & effects of medial & lateral medullary syndrome	1
AN59.1 AN59.2 AN59.3	Identify external features of pons Draw & label transverse section of pons at the upper and lower level Enumerate cranial nerve nuclei in pons with their functional group	1

AN61.1 AN61.2 AN61.3	Identify external & internal features of midbrain Describe internal features of midbrain at the level of superior & inferior colliculus Describe anatomical basis & effects of Benedikt's and Weber's syndrome	1
AN62.2	Describe & demonstrate surfaces, sulci, gyri, poles, & functional areas of cerebral hemisphere	2
AN56.2 AN63.1	Describe circulation of CSF with its applied anatomy Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle	1
AN63.1 AN63.2	Describe & demonstrate parts, boundaries & features of IIIrd, IVth & lateral ventricle Describe anatomical basis of congenital hydrocephalus	1
AN53.1 AN53.4	Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	2
AN53.1 AN53.4	Identify & hold the bone in the anatomical position, Describe the salient features, articulations & demonstrate the attachments of muscle groups Explain and demonstrate clinical importance of bones of abdominopelvic region (sacralization of lumbar vertebra, Lumbarization of 1st sacral vertebra, types of bony pelvis & Coccyx)	1
AN50.1 AN50.2 AN50.3 AN50.4	Describe the curvatures of the vertebral column Describe & demonstrate the type, articular ends, ligaments and movements of Intervertebral joints, Sacroiliac joints & Pubic symphysis Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture) Explain the anatomical basis of Scoliosis, Lordosis, Prolapsed disc, Spondylolisthesis & Spina bifida	1
AN53.2 AN53.3	Demonstrate the anatomical position of bony pelvis & show boundaries of pelvic inlet, pelvic cavity, pelvic outlet Define true pelvis and false pelvis and demonstrate sex determination in male & female bony pelvis	1
AN51.1 AN51.2	Describe & identify the cross-section at the level of T8, T10 and L1 (transpyloric plane) Describe & identify the midsagittal section of male and female pelvis	1
AN55.1 AN55.2	Demonstrate the surface marking of; Regions and planes of abdomen, Superficial inguinal ring, Deep inguinal ring, McBurney's point, Renal Angle & Murphy's point Demonstrate the surface projections of: Stomach, Liver, Fundus of gall bladder, Spleen, Duodenum, Pancreas, Ileocaecal junction, Kidneys & Root of mesentery	1

AN54.1	Describe & identify features of plain X ray abdomen	2
AN54.2	Describe & identify the special radiographs of abdominopelvic region (contrast X ray Barium swallow, Barium meal, Barium enema, Cholecystography, Intravenous pyelography & Hysterosalpingography)	
AN54.3	Describe role of ERCP, CT abdomen, MRI, Arteriography in radiodiagnosis of abdomen	