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Contributors

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Details of the Number of Questions and MCQs Included as per the Competency

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
GENERAL ANATOMY						
1. Anatomical Terminology						
1	AN 1.1	Demonstrate normal anatomical position, various planes, relation, comparison, laterality and movement in our body	—	02	03	02
2	AN 1.2	Describe composition of bone and bone marrow	—	01	02	02
2. General Features of Bones and Joints						
3	AN 2.1	Describe parts, blood and nerve supply of a long bone	—	08	09	01
4	AN 2.2	Enumerate laws of ossification	—	—	02	01
5	AN 2.3	Enumerate special features of a sesamoid bone	—	—	01	01
6	AN 2.4	Describe various types of cartilage with their structure and distribution in body	—	01	02	02
7	AN 2.5	Describe various joints with subtypes and examples	—	03	05	02
8	AN 2.6	Explain the concept of nerve supply of joints and Hilton's law	—	—	01	02
3. General Features of Muscle						
9	AN 3.1	Classify muscle tissue according to structure and action	—	03	02	02
10	AN 3.2	Enumerate parts of skeletal muscle and differentiate between tendons and aponeuroses with examples	—	—	01	02
11	AN 3.3	Explain shunt and spurt muscles	—	—	01	02
4. General Features of Skin and Fascia						
12	AN 4.1	Describe different types of skin and dermatomes in body	—	01	01	02
13	AN 4.2	Describe structure and function of skin with its appendages	—	01	03	02
14	AN 4.3	Describe superficial fascia along with fat distribution in body	—	01	02	02
15	AN 4.4	Describe modifications of deep fascia with its functions	—	02	02	02
16	AN 4.5	Explain principles of skin incisions	—	—	02	02
5. General Features of the Cardiovascular System						
69. Blood Vessels						
17	AN 5.1	Differentiate between blood vascular and lymphatic system	—	01	02	02
18	AN 5.2	Differentiate between pulmonary and systemic circulation	—	01	—	02
19	AN 5.3	List general differences between arteries and veins	—	04	05	02
20	AN 69.1	Identify elastic and muscular blood vessels, capillaries under the microscope				02
21	AN 69.2	Describe the various types ... vessel				02
22	AN 69.3	Describe the ultrastructure of blood vessels				02
23	AN 5.4	Explain functional difference between elastic, muscular arteries and arterioles	—	01	02	02
24	AN 5.5	Describe portal system giving examples	—	—	02	02
25	AN 5.6	Describe the concept of anastomoses and collateral circulation with significance of end-arteries	—	01	02	02
26	AN 5.7	Explain function of meta-arterioles, precapillary sphincters, arteriovenous anastomoses	—	01	01	02
27	AN 5.8	Define thrombosis, infarction and aneurysm	—	—	03	02
6. General Features of Lymphatic System						
28	AN 6.1	List the components and functions of the lymphatic system	—	01	01	02
29	AN 6.2	Describe structure of lymph capillaries and mechanism of lymph circulation	—	01	05	02
30	AN 6.3	Explain the concept of lymphoedema and spread of tumors via lymphatics and venous system	—	01	01	02
7. Introduction to the Nervous System						
31	AN 7.1	Describe general plan of nervous system with components of central, peripheral and autonomic nervous systems	—	01	03	02
32	AN 7.2	List components of nervous tissue and their functions	—	04	02	02
33	AN 7.3	Describe parts of a neuron and classify them based on number of neurites, size and function	—	03	05	02
34	AN 7.4	Describe structure of a typical spinal nerve	—	01	01	02
35	AN 7.5	Describe principles of sensory and motor innervation of muscles	—	01	—	02
36	AN 7.6	Describe concept of loss of innervation of a muscle with its applied anatomy	—	01	—	02
37	AN 7.7	Describe various type of synapse	—	01	—	02
38	AN 7.8	Describe differences between sympathetic and spinal ganglia	—	01	—	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
LIMBS						
8. Features of Individual Bones (Upper Limb)						
39	AN 8.1	Identify the given bone, its side, important features and keep it in anatomical position	—	01	15	02
40	AN 8.2	Identify and describe joints formed by the given bone				02
41	AN 8.4	Demonstrate important muscle attachment on the given bone				02
42	AN 8.3	Enumerate peculiarities of clavicle	—	01	02	02
43	AN 8.5	Identify and name various bones in the articulated hand, Specify the parts of metacarpals and phalanges and enumerate the peculiarities of pisiform	—	—	04	02
44	AN 8.6	Describe scaphoid fracture and explain the anatomical basis of avascular necrosis	—	—	01	02
9. Pectoral Region						
45	AN 9.1	Describe attachment, nerve supply and action of pectoralis major and pectoralis minor	—	03	01	02
46	AN 9.2	Breast: Describe the location, extent, deep relations, structure, age changes, blood supply, lymphatic drainage, microanatomy and applied anatomy of breast	01	02	01	02
47	AN 9.3	Describe development of breast	—	01	02	02
10. Axilla, Shoulder and Scapular Region						
48	AN 10.1	Identify and describe boundaries and contents of axilla	—	01	—	02
49	AN 10.2	Identify, describe and demonstrate the origin, extent, course, parts, relations and branches of axillary artery and tributaries of vein	01	02	02	02
50	AN 10.3	Describe, identify and demonstrate formation, branches, relations, area of supply of branches, course and relations of terminal branches of brachial plexus	02	02	02	02
51	AN 10.5	Explain variations in formation of brachial plexus				02
52	AN 10.6	Explain the anatomical basis of clinical features of Erb's palsy and Klumpke's paralysis				02
53	AN 10.4	Describe the anatomical groups of axillary lymph nodes and specify their areas of drainage	—	01	01	02
54	AN 10.7	Explain anatomical basis of enlarged axillary lymph nodes	—	02	—	02
55	AN 10.8	Describe, identify and demonstrate the position, attachment, nerve supply and actions of trapezius and latissimus dorsi	—	01	02	02
56	AN 10.9	Describe the arterial anastomosis around the scapula and mention the boundaries of triangle of auscultation	—	08	02	02
57	AN 10.10	Describe and identify the deltoid and rotator cuff muscles	—	01	—	02
58	AN 10.11	Describe and demonstrate the attachment of serratus anterior with its action	01	01	01	02
59	AN 10.12	Describe and demonstrate shoulder joint for—type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements, muscles involved, blood supply, nerve supply and applied anatomy	—	01	—	02
60	AN 10.13	Explain anatomical basis of injury to axillary nerve during intramuscular injections	—	01	—	02
11. Arm and Cubital Fossa						
61	AN 11.1	Describe and demonstrate muscle groups of upper arm with emphasis on biceps and triceps brachii	—	05	01	02
62	AN 11.2	Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels in the arm	—	05	02	02
63	AN 11.3	Describe the anatomical basis of venepuncture of cubital veins	—	—	02	02
64	AN 11.4	Describe the anatomical basis of Saturday night paralysis	—	01	—	02
65	AN 11.5	Identify and describe boundaries and contents of cubital fossa	—	02	—	02
66	AN 11.6	Describe the anastomosis around the elbow joint	—	01	—	02
12. Forearm and Hand						
67	AN 12.1	Describe and demonstrate important muscle groups of ventral forearm with attachments, nerve supply and actions	—	06	01	02
68	AN 12.2	Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of forearm	—	05	—	02
69	AN 12.3	Identify and describe flexor retinaculum with its attachments	—	01	02	02
70	AN 12.4	Explain anatomical basis of carpal tunnel syndrome	01	02	01	02
71	AN 12.5	Identify and describe small muscles of hand. Also describe movements of thumb and muscles involved				02
72	AN 12.6	Describe and demonstrate movements of thumb and muscles involved				02
73	AN 12.7	Identify and describe course and branches of important blood vessels and nerves in hand	02	04	—	01
74	AN 12.8	Describe anatomical basis of clawhand	—	01	—	02
75	AN 12.9	Identify and describe fibrous flexor sheaths, ulnar bursa, radial bursa and digital synovial sheaths	—	04	—	02
76	AN 12.10	Explain infection of fascial spaces of palm ...	01	—	02	02
77	AN 12.11	Identify, describe and demonstrate important muscle groups of dorsal forearm with attachments, nerve supply and actions	—	03	01	02
78	AN 12.12	Identify and describe origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of forearm	—	01	—	02
79	AN 12.13	Describe the anatomical basis of wrist drop	—	—	01	02
80	AN 12.14	Identify and describe compartments deep to extensor retinaculum	—	01	—	02
81	AN 12.15	Identify and describe extensor expansion formation	—	01	—	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
13. General Features: Joints, Radiographs and Surface Marking						
82	AN 13.1	Describe and explain fascia of upper limb and compartments, veins of upper limb and its lymphatic drainage	—	02	01	02
83	AN 13.2	Describe dermatomes of upper limb	—	01	—	02
84	AN 13.3	Identify and 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 and first carpometacarpal joint	03	04	—	02
85	AN 13.4	Describe sternoclavicular joint, acromioclavicular joint, carpometacarpal joints and metacarpophalangeal joint	—	01	02	02
86	AN 13.5	Identify the bones and joints of upper limb seen in anteroposterior and lateral view radiographs of shoulder region, arm, elbow, forearm and hand	—	—	—	02
87	AN 13.6	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	—	—	—	02
88	AN 13.7	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	—	—	—	02
89	AN 13.8	Describe the development of upper limb	—	01	02	02
14. Features of Individual Bones (Lower Limb)						
90	AN 14.1	Identify the given bone, its side, important features and keep it in anatomical position	—	02	08	02
91	AN 14.2	Identify and describe joints formed by the given bone	—	—	04	02
92	AN 14.3	Describe the importance of ossification of lower end of femur and upper end of tibia	—	—	02	02
93	AN 14.4	Identify and name various bones in the articulated foot with individual muscle attachment	—	—	04	02
15. Front and Medial Side of Thigh						
94	AN 15.1	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of the anterior thigh	04	03	04	02
95	AN 15.2	Describe and demonstrate major muscles with their attachment, nerve supply and actions	01	02	01	02
96	AN 15.3	Describe and demonstrate boundaries, floor, roof and contents of femoral triangle	01	02	05	02
97	AN 15.4	Explain anatomical basis of psoas abscess and femoral hernia	—	—	03	02
98	AN 15.5	Describe and demonstrate adductor canal with its contents	—	01	—	02
16. Gluteal Region and Back of Thigh						
99	AN 16.1	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of gluteal region	01	04	02	02
100	AN 16.2	Describe anatomical basis of sciatic nerve injury during gluteal intramuscular injections	—	—	01	02
101	AN 16.3	Explain the anatomical basis of Trendelenburg sign	—	—	01	02
102	AN 16.4	Describe and demonstrate the hamstrings group of muscles with their attachment, nerve supply and actions	—	04	02	02
103	AN 16.5	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels on the back of thigh	01	04	—	02
104	AN 16.6	Describe and demonstrate the boundaries, roof, floor, contents and relations of popliteal fossa	01	02	02	02
17. Hip Joint						
105	AN 17.1	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	01	01	01	02
106	AN 17.2	Describe anatomical basis of complications of fracture of neck of femur	—	—	02	02
107	AN 17.3	Describe dislocation of hip joint and surgical hip replacements	—	—	02	02
18. Knee Joint, Anterolateral Compartment of Leg and Dorsum of Foot						
108	AN 18.1	Describe and demonstrate major muscles of anterolateral compartment of leg with their attachment, nerve supply and actions	—	04	—	02
109	AN 18.2	Describe and demonstrate origin, course, relations, branches (or tributaries), termination of important nerves and vessels of anterior compartment of leg	—	03	—	02
110	AN 18.3	Explain the anatomical basis of footdrop	—	—	01	02
111	AN 18.4	Describe and demonstrate the type, articular surfaces, capsule, synovial membrane, ligaments, relations, movements and muscles involved, blood and nerve supply, bursae around the knee joint	01	03	01	02
112	AN 18.5	Explain the anatomical basis of locking and unlocking of the knee joint	—	01	—	02
113	AN 18.6	Describe knee joint injuries with its applied anatomy	—	—	01	02
114	AN 18.7	Explain anatomical basis of osteoarthritis	—	—	01	02
19. Back of Leg and Sole						
115	AN 19.1	Describe and demonstrate the major muscles of back of leg with their attachment, nerve supply and actions	—	04	01	02
116	AN 19.2	Describe and demonstrate the origin, course, relations, branches (or tributaries), termination of important nerves and vessels of back of leg	—	02	—	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
117	AN 19.3	Explain the concept of “peripheral heart”	—	01	—	02
118	AN 19.4	Explain the anatomical basis of rupture of calcaneal tendon	—	—	01	02
119	AN 19.5	Describe factors maintaining important arches of the foot with their importance	01	01	—	02
120	AN 19.6	Explain the anatomical basis of flatfoot and clubfoot	—	01	02	02
121	AN 19.7	Explain the anatomical basis of metatarsalgia and plantar fasciitis	—	—	03	02
20. General Features: Joints, Radiographs and Surface Marking						
122	AN 20.1	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	01	01	01	02
123	AN 20.2	Describe the subtalar and transverse tarsal joints	—	02	—	02
124	AN 20.3	Describe and demonstrate fascia lata, venous drainage, lymphatic drainage, retinacula and dermatomes of lower limb	—	02	02	02
125	AN 20.4	Explain anatomical basis of enlarged inguinal lymph nodes	—	—	—	02
126a	AN 20.5	Explain anatomical basis of varicose veins and deep vein thrombosis	—	01	—	02
126b	AN 20.6	Describe basic concept of development of lower limb	—	—	—	02
127	AN 20.7	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	—	—	—	02
128	AN 20.8	Identify and demonstrate palpation of femoral, popliteal, post-tibial, anti-tibial and dorsalis pedis blood vessels in a simulated environment	—	—	—	02
129	AN 20.9	Identify and demonstrate palpation of vessels (femoral, popliteal, dorsalis pedis, post-tibial), midinguinal point, surface projection of: Femoral nerve, saphenous opening, sciatic, tibial, common peroneal and deep peroneal nerve, great and small saphenous veins	—	—	—	02
130	AN 20.10	Describe basic concept of development of lower limb	—	01	—	02
THORAX						
21. Thoracic Cage						
131	AN 21.1	Identify and describe the salient features of the sternum, typical rib, 1st rib and typical thoracic vertebra	—	08	15	02
132	AN 21.2	Identify and describe the features of 2nd, 11th and 12th ribs, 1st, 11th and 12th thoracic vertebrae				02
133	AN 21.3	Describe and demonstrate the boundaries of thoracic inlet, cavity and outlet				02
134	AN 21.8	Describe and demonstrate type, articular surfaces and movements of manubriosternal, costovertebral, costotransverse and xiphisternal joints				02
135	AN 21.10	Describe costochondral and interchondral joints	02	03	03	02
136	AN 21.4	Describe and demonstrate extent, attachments, direction of fibres, nerve supply and actions of intercostal muscles				02
137	AN 21.5	Describe and demonstrate origin, course, relations and branches of a typical intercostal nerve				02
138	AN 21.6	Mention origin, course and branches/tributaries of: (1) Anterior and posterior intercostal vessels, (2) internal thoracic vessels				02
139	AN 21.7	Mention the origin, course, relations and branches of: (1) Atypical intercostal nerve, (2) superior intercostal artery, subcostal artery	—	01	01	02
140	AN 21.9	Describe and demonstrate mechanics and types of respiration	—	04	02	02
141	AN 21.11	Mention boundaries and contents of the superior, anterior, middle and posterior mediastinum	—	04	02	02
22. Heart and Pericardium						
142	AN 22.1	Describe and demonstrate subdivisions, sinuses in pericardium, blood supply and nerve supply of pericardium	—	04	03	02
143	AN 22.2	Describe and demonstrate external and internal features of each chamber of heart	04	01	04	02
144	AN 22.3	Describe and demonstrate origin, course and branches of coronary arteries	01	02	05	02
145	AN 22.4	Describe anatomical basis of ischemic heart disease	01	—	—	02
146	AN 22.5	Describe and demonstrate the formation, course, tributaries and termination of coronary sinus	01	—	—	02
147	AN 22.6	Describe the fibrous skeleton of heart in detail	01	—	—	02
148	AN 22.7	Mention the parts, position and arterial supply of the conducting system of heart	01	—	—	02
23. Mediastinum						
149	AN 23.1	Describe and demonstrate the external appearance, relations, blood supply, nerve supply, lymphatic drainage and applied anatomy of esophagus	01	01	—	02
150	AN 23.2	Describe and demonstrate the extent, relations, tributaries of the thoracic duct and enumerate its applied anatomy	01	02	—	02
151	AN 23.7	Mention the extent, relations and applied anatomy of lymphatic duct	—	04	—	02
152	AN 23.3	Describe and demonstrate origin, course, relations, tributaries and termination of superior vena cava, azygos, hemiazygos and accessory hemiazygos veins	—	02	—	02
153	AN 23.4	Mention the extent, branches and relations of arch of aorta and descending thoracic aorta	—	02	—	02
154	AN 23.5	Identify and mention the location and extent of thoracic sympathetic chain	—	02	—	02
155	AN 23.6	Describe the splanchnic nerves	—	02	—	02
24. Lungs and Trachea						
156	AN 24.1	Mention the blood supply, lymphatic drainage and nerve supply of pleura, the extent of pleura and describe the pleural recesses and their applied anatomy	01	04	02	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
157	AN 24.2	Identify side, external features and relations of structures which form root of lung and bronchial tree and their clinical correlate	02	04	—	02
158	AN 24.5	Mention the blood supply, lymphatic drainage and nerve supply of lungs				02
159	AN 24.3	Describe a bronchopulmonary segment	01	—	—	02
160	AN 24.4	Identify phrenic nerve and describe its formation and distribution	—	02	—	02
161	AN 24.6	Describe the extent, length, relations, blood supply, lymphatic drainage and nerve supply of trachea	—	01	—	02
25. Thorax						
162	AN 25.1	Identify, draw and label a slide of trachea and lung	—	02	03	02
163	AN 25.2	Describe development of pleura, lung and heart				02
164	AN 25.3	Describe fetal circulation and changes occurring at birth				02
165	AN 25.4	Describe embryological basis of: (1) Atrial septal defect, (2) ventricular septal defect, (3) Fallot's tetralogy and (4) tracheo-oesophageal fistula	01	14	15	02
166	AN 25.5	Describe developmental basis of congenital anomalies, transposition of great vessels, dextrocardia, patent ductus arteriosus and coarctation of aorta				02
167	AN 25.6	Mention development of aortic arch arteries, SVC, IVC and coronary sinus				02
168	AN 25.7	Identify structures seen on a plain X-ray chest (PA view)	—	—	—	02
169	AN 25.8	Identify and describe in brief a barium swallow	—	—	—	02
170	AN 25.9	Demonstrate surface marking of lines of pleural reflection, lung borders and fissures, trachea, heart borders, apex beat and surface projection of valves of heart	—	—	—	02
HEAD AND NECK						
26. Skull Osteology						
171	AN 26.1	Demonstrate anatomical position of skull, identify and locate individual skull bones in skull	—	01	01	02
172	AN 26.2	Describe the features of norma frontalis, verticalis, occipitalis, lateralis and basalis	—	02	07	02
173	AN 26.3	Describe cranial cavity, its subdivisions, foramina and structures passing through them				02
174	AN 30.2	Describe and identify major foramina with structures passing through them	—	03	03	02
175	AN 26.4	Describe morphological features of mandible	—	01	04	02
176	AN 26.5	Describe features of typical and atypical cervical vertebrae (atlas and axis)	—	01	02	02
177	AN 26.6	Explain the concept of bones that ossify in membrane	—	01	02	02
178	AN 26.7	Describe the features of the 7th cervical vertebra	—	—	01	02
27. Scalp						
179	AN 27.1	Describe the layers of scalp, its blood supply, its nerve supply and surgical importance				02
180	AN 27.2	Describe emissary veins with their role in spread of infection from extracranial route to intracranial venous sinuses	01	04	05	02
28. Face and Parotid Region						
181	AN 28.1	Describe and demonstrate muscles of facial expression and their nerve supply	—	04	02	02
182	AN 28.2	Describe sensory innervation of the face	01	01	—	02
183	AN 28.3	Describe and demonstrate origin/formation, course, branches/tributaries of facial vessels	04	01	—	02
184	AN 28.4	Describe and demonstrate branches of facial nerve with distribution	01		—	02
185	AN 28.5	Describe cervical lymph nodes and lymphatic drainage of head, face and neck	—	02	03	02
186	AN 28.6	Identify superficial muscles of face, their nerve supply and actions	—	01	—	02
187	AN 28.7	Explain the anatomical basis of facial nerve palsy	—	02	—	02
188	AN 28.8	Explain surgical importance of deep facial vein	—	01	—	02
189	AN 28.9	Describe and demonstrate the parts, borders, surfaces, contents, relations and nerve supply of parotid gland with course of its duct and surgical importance	—	01	04	02
190	AN 28.10	Explain the anatomical basis of Frey's syndrome	—	01	—	02
29. Posterior Triangle of Neck						
191	AN 29.1	Describe and demonstrate attachments, nerve supply, relations and actions of sternocleidomastoid				02
192	AN 29.3	Explain anatomical basis of wry neck				02
193	AN 29.2	Explain anatomical basis of Erb's and Klumpke's palsy	—	02	01	02
194	AN 29.4	Describe and demonstrate attachments of: (1) Inferior belly of omohyoid, (2) scalenus anterior, (3) scalenus medius and (4) levator scapulae	—	04	—	02
30. Cranial Cavity						
195	AN 30.1	Describe the cranial fossae and identify related structures	01	02	—	02
196	AN 30.5	Explain effect of pituitary tumours on visual pathway				
197	AN 30.3	Describe and identify dural folds and dural venous sinuses	02	04	04	02
198	AN 30.4	Describe clinical importance of dural venous sinuses				04
31. Orbit						
199	AN 31.1	Describe and identify extraocular muscles of eyeball				02
200	AN 31.5	Explain the anatomical basis of oculomotor, trochlear and abducent nerve palsies along with strabismus	01	—	03	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
201	AN 31.2	Describe and demonstrate nerves and vessels in the orbit	—	04	01	02
202	AN 31.3	Describe anatomical basis of Horner's syndrome	—	01	—	02
203	AN 31.4	Enumerate components of lacrimal apparatus	—	02	—	02
32. Anterior Triangle						
204	AN 32.1	Describe boundaries and subdivisions of anterior triangle	01	—	—	02
205	AN 32.2	Describe and demonstrate boundaries and contents of muscular, carotid, digastric and submental triangles	01	05	03	02
33. Temporal and Infratemporal Regions						
206	AN 33.1	Describe and demonstrate extent, boundaries and contents of temporal and infratemporal fossae	05	01	01	01
207	AN 33.2	Describe and demonstrate attachments, direction of fibres, nerve supply and actions of muscles of mastication	01	01	01	02
208	AN 33.3	Describe and demonstrate articulating surface, type and movements of temporomandibular joint	01	01	—	02
209	AN 33.4	Explain the clinical significance of pterygoid venous plexus	—	—	01	02
210	AN 33.5	Describe the features of dislocation of temporomandibular joint	—	—	02	02
34. Submandibular Region						
211	AN 34.1	Describe and demonstrate the morphology, relations and nerve supply of submandibular salivary gland and submandibular ganglion	01	04	01	02
212	AN 34.2	Describe the basis of formation of submandibular stones	—	—	—	02
35. Deep Structures in the Neck						
213	AN 35.1	Describe the parts, extent, attachments, modifications of deep cervical fascia	01	05	02	02
214	AN 35.10	Describe the fascial spaces of the neck	—	—	—	02
215	AN 35.2	Describe and demonstrate location, parts, borders, surfaces, relations and blood supply of thyroid gland	01	02	—	02
216	AN 35.8	Describe the anatomically relevant clinical features of thyroid swellings	—	—	—	02
217	AN 35.3	Demonstrate and describe the origin, parts, course and branches of subclavian artery	01	04	01	02
218	AN 35.9	Describe the clinical features of compression of subclavian artery and lower trunk of brachial plexus by cervical rib	—	02	01	02
219	AN 35.4	Describe and demonstrate origin, course, relations, tributaries and termination of internal jugular and brachiocephalic veins	—	—	03	02
220	AN 35.5	Describe and demonstrate extent, drainage and applied anatomy of cervical lymph nodes	—	03	—	02
221	AN 35.6	Describe and demonstrate the extent, formation, relation and branches of cervical sympathetic chain	—	—	—	02
222	AN 35.7	Describe the course and branches of IX, X, XI and XII nerve in the neck	04	—	—	02
36. Mouth, Pharynx and Palate						
223	AN 36.1	Describe the (1) morphology, relations, blood supply and applied anatomy of palatine tonsil, (2) composition of soft palate	03	01	03	02
224	AN 36.2	Describe the components and functions of Waldeyer's lymphatic ring	—	—	01	02
225	AN 36.3	Describe the boundaries and clinical significance of pyriform fossa	—	—	03	02
226	AN 36.4	Describe the anatomical basis of tonsillitis, tonsillectomy, adenoids and peri-tonsillar abscess	—	—	02	02
227	AN 36.5	Describe the clinical significance of Killian's dehiscence	—	—	01	02
37. Cavity of Nose						
228	AN 37.1	Describe and demonstrate features of nasal septum, lateral wall of nose, their blood supply and nerve supply	02	02	02	02
229	AN 37.2	Describe location and functional anatomy of paranasal sinuses	—	01	—	02
230	AN 37.3	Describe anatomical basis of sinusitis and maxillary sinus tumours	—	—	02	02
38. Larynx						
231	AN 38.1	Describe the morphology, identify structure of the wall, nerve supply, blood supply and actions of intrinsic and extrinsic muscles of the larynx	01	04	04	02
232	AN 38.2	Describe the anatomical aspects of laryngitis	—	—	01	02
233	AN 38.3	Describe anatomical basis of recurrent laryngeal nerve injury	—	01	—	02
39. Tongue						
234	AN 39.1	Describe and demonstrate the morphology, nerve supply, embryological basis of nerve supply, blood supply, lymphatic drainage and actions of extrinsic and intrinsic muscles of tongue	02	03	02	02
235	AN 39.2	Explain the anatomical basis of hypoglossal nerve palsy	—	—	—	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
40. Organs of Hearing and Equilibrium						
236	AN 40.1	Describe and identify the parts, blood supply and nerve supply of external ear	—	03	04	02
237	AN 40.2	Describe and demonstrate the boundaries, contents, relations functional anatomy of middle ear and auditory tube				02
238	AN 40.3	Describe the features of internal ear				02
239	AN 40.4	Explain anatomical basis of otitis externa and otitis media				02
240	AN 40.5	Explain anatomical basis of myringotomy				02
41. Eyeball						
241	AN 41.1	Describe and demonstrate parts and layers of eyeball	—	02	03	02
242	AN 41.2	Describe the anatomical aspects of cataract, glaucoma and central retinal artery occlusion				02
243	AN 41.3	Describe the position, nerve supply and actions of intraocular muscles				02
42. Back Region						
244	AN 42.1	Describe the contents of the vertebral canal	—	01	01	02
245	AN 42.2	Describe and demonstrate the boundaries and contents of suboccipital triangle	—	02	—	02
246	AN 42.3	Describe the position, direction of fibres, relations, nerve supply, actions of semispinalis capitis and splenius capitis	—	02	—	02
43. Head and Neck Joints, Histology, Development, Radiography and Surface Marking						
247	AN 43.1	Describe and demonstrate the movements with muscles producing the movements of atlanto-occipital joint and atlantoaxial joint	—	02	—	02
248	AN 43.2	Identify, describe and draw the microanatomy of pituitary gland, thyroid, parathyroid gland, tongue, salivary glands, tonsil, epiglottis, cornea, retina	—	09	06	02
249	AN 70.1	Identify exocrine gland under the microscope and distinguish between serous, mucous and mixed acini				02
250	AN 43.3	Identify, describe and draw microanatomy of olfactory epithelium, eyelid, lip, sclero-corneal junction, optic nerve, cochlea: Organ of Corti, pineal gland	—	03	—	02
251	AN 43.4	Describe the development and developmental basis of congenital anomalies of face, palate, tongue, branchial apparatus, pituitary gland, thyroid gland and eye	—	08	06	02
252	AN 43.5	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	—	—	—	02
253	AN 43.6	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 and accessory nerve	—	—	—	02
254	AN 43.7	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	—	—	—	02
255	AN 43.8	Describe the anatomical route used for carotid angiogram and vertebral angiogram	—	—	—	02
256	AN 43.9	Identify anatomical structures in carotid angiogram and vertebral angiogram	—	—	—	02
ABDOMEN						
44. Anterior Abdominal Wall						
257	AN 44.1	Describe and demonstrate the planes (transpyloric, transtuberular, subcostal, lateral vertical, linea alba, linea semilunaris), regions and quadrants of abdomen	—	04	03	02
258	AN 44.2	Describe and identify the fascia, nerves abdominal wall	—	—	04	02
259	AN 44.3	Describe the formation of rectus sheath and its contents	01	02	—	02
260	AN 44.4	Describe and demonstrate extent, boundaries, contents of inguinal canal including Hesselbach's triangle	01	01	02	02
261	AN 44.5	Explain the anatomical basis of inguinal hernia	—	01	—	02
262	AN 44.6	Describe and demonstrate attachments of muscles of anterior abdominal wall	—	05	02	02
263	AN 44.7	Enumerate common abdominal incisions	—	01	—	02
45. Posterior Abdominal Wall						
264	AN 45.1	Describe thoracolumbar fascia	—	01	01	02
265	AN 45.2	Describe and demonstrate lumbar plexus for its root value, formation and branches	—	05	—	02
266	AN 47.12	Describe important nerve plexuses of posterior abdominal wall	—	02	—	02
267	AN 45.3	Mention the major subgroups of back muscles, nerve supply and action				02
46. Male External Genitalia						
268	AN 46.1	Describe and demonstrate coverings, internal structure, side determination, blood supply, nerve supply, lymphatic drainage and descent of testis with its applied anatomy	01	03	02	02
269	AN 46.2	Describe the parts of epididymis	—	01	—	02
270	AN 46.3	Describe penis under following headings: Parts, components, blood supply and lymphatic drainage	—	02	02	02
271	AN 46.5	Explain the anatomical basis of phimosis and circumcision	—	01	—	02
272	AN 46.4	Explain the anatomical basis of varicocele				02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
47. Abdominal Cavity						
273	AN 47.1	Describe and identify boundaries and recesses of lesser and greater sac	01	06	04	02
274	AN 47.2	Name and identify various peritoneal folds and pouches with its explanation				02
275	AN 47.3	Explain anatomical basis of ascites and peritonitis				02
276	AN 47.4	Explain anatomical basis of subphrenic abscess	09	31	33	01
277	AN 47.5	Describe and demonstrate major viscera of abdomen under following headings: Anatomical position, external and internal features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and applied aspects				02
278	AN 47.6	Explain the anatomical basis of splenic notch, accessory spleens, Kehr's sign, different types of vagotomy, liver biopsy (site of needle puncture), referred pain in cholecystitis, obstructive jaundice, referred pain around umbilicus, radiating pain of kidney to groin and lymphatic spread in carcinoma stomach				02
279	AN 47.7	Mention the clinical importance of Calot's triangle	—	01	—	02
280	AN 47.8	Describe and identify the formation, course, relations and tributaries of portal vein, inferior vena cava and renal vein	01	03	02	02
281	AN 47.10	Enumerate the sites of portosystemic anastomosis				0
282	AN 47.11	Explain the anatomic basis of hematemesis and caput medusae in portal hypertension				02
283	AN 47.9	Describe and identify the origin, course, important relations and branches of abdominal aorta, coeliac trunk, superior mesenteric, inferior mesenteric and common iliac artery	—	06	05	02
284	AN 47.13	Describe and demonstrate the attachments, openings, nerve supply and action of the thoracoabdominal diaphragm	—	03	02	02
285	AN 47.14	Describe the abnormal openings of thoracoabdominal diaphragm and diaphragmatic hernia				02
48. Pelvic Wall and Viscera						
286	AN 48.1	Describe and identify the muscles of pelvic diaphragm	01	02	02	02
287	AN 48.2	Describe and demonstrate the (position, features, important peritoneal and other relations, blood supply, nerve supply, lymphatic drainage and clinical aspects of) important male and female pelvic viscera	06	17	12	02
288	AN 48.3	Describe and demonstrate the origin, course, important relations and branches of internal iliac artery	—	01	03	02
289	AN 48.4	Describe the branches of sacral plexus	—	01	01	02
290	AN 48.5	Explain the anatomical basis of suprapubic cystostomy, urinary obstruction in benign prostatic hypertrophy, retroverted uterus, prolapse uterus, internal and external haemorrhoids, anal fistula, vasectomy, tubal pregnancy and tubal ligation	—	—	05	02
291	AN 48.6	Describe the neurological basis of automatic bladder	—	01	—	02
292	AN 48.7	Mention the lobes involved in benign prostatic hypertrophy and prostatic cancer	—	—	01	02
293	AN 48.8	Mention the structures palpable during vaginal and rectal examination	—	—	02	02
49. Perineum						
294	AN 49.1	Describe and demonstrate the superficial and deep perineal pouch (boundaries and contents)	—	06	02	02
295	AN 49.2	Describe and identify perineal body	—	01	—	02
296	AN 49.3	Describe and demonstrate perineal membrane in male and female	—	01	—	02
297	AN 49.4	Describe and demonstrate boundaries, contents and applied anatomy of ischioanal fossa	01	02	01	02
298	AN 49.5	Explain the anatomical basis of perineal tear, abscess and anal fissure	—	—	03	02
50. Vertebral Column						
299	AN 50.1	Describe the curvatures of the vertebral column	—	01	06	02
300	AN 50.4	Explain the anatomical basis of scoliosis, lordosis, prolapsed disc, spondylosis and spina bifida				02
301	AN 50.2	Describe and demonstrate the type, articular ends, ligaments and movements of intervertebral joints, sacroiliac joints and pubic symphysis				02
302	AN 50.3	Describe lumbar puncture (site, direction of the needle, structures pierced during the lumbar puncture)	—	01	—	02
51. Sectional Anatomy						
303	AN 51.1	Describe and identify the cross-section at the level of T8, T10, and L1 (transpyloric plane)	—	03	—	02
304	AN 51.2	Describe and identify the midsagittal section of male and female pelvis	—	—	01	01
52. Histology and Embryology						
305	AN 52.1	Describe and identify the microanatomical features of gastrointestinal system: Esophagus, fundus of stomach, pylorus of stomach, duodenum, jejunum, ileum, large intestine, appendix, liver, gallbladder, pancreas and suprarenal gland	—	11	10	02
306	AN 52.2	Describe and identify the microanatomical features of urinary system: Kidney, ureter and urinary bladder; male reproductive system: Testis, epididymis, prostate and penis; female reproductive system: Ovary, uterus, uterine tube, cervix, placenta and umbilical cord	—	09	12	02
307	AN 52.3	Describe and identify the microanatomical features of esophageal junction and corpus luteum	—	02	01	02
308	AN 52.4	Describe the development of anterior abdominal wall	—	01	—	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
309	AN 52.5	Describe the development and congenital anomalies of diaphragm	—	01	—	02
310	AN 52.6	Describe the development and congenital anomalies of foregut, midgut and hindgut	—	10	06	02
311	AN 52.7	Describe the development of urinary system	—	07	08	02
312	AN 52.8	Describe the development of male and female reproductive system	—	06	09	02
53. Osteology						
313	AN 53.1	Identify and hold the bone in the anatomical position, describe the salient features, articulations and demonstrate the attachments of muscle groups	—	—	05	02
314	AN 53.2	Demonstrate the anatomical position of bony pelvis and show boundaries of pelvic inlet, pelvic cavity, pelvic outlet	—	03	—	02
315	AN 53.3	Define true pelvis and false pelvis and demonstrate sex determination in male and female bony pelvis	—	—	—	02
316	AN 53.4	Explain and demonstrate clinical importance of region (sacralization of lumbar vertebra, lumbarization of 1st sacral vertebra, types of bony pelvis and coccyx)	—	—	02	02
54. Radiodiagnosis						
317	AN 54.1	Describe and identify features of plain X-ray abdomen	—	—	—	02
318	AN 54.2	Describe and identify the special radiographs of abdominopelvic region (contrast X-ray barium swallow, barium meal, barium enema, cholecystography, intravenous pyelography and hysterosalpingography)	—	—	—	02
319	AN 54.3	Describe role of ERCP, CT abdomen, MRI, arteriography in radiodiagnosis of abdomen	—	—	03	02
55. Surface Marking						
320	AN 55.1	Demonstrate the surface marking of regions and planes of abdomen, superficial inguinal ring, deep inguinal ring, McBurney's point, renal angle and Murphy's point	—	—	04	02
321	AN 55.2	Demonstrate the surface projections of: stomach, liver, fundus of gallbladder, spleen, duodenum, pancreas, ileocaecal junction, kidneys and root of mesentery	—	—	—	02
NEUROANATOMY						
56. Meninges and CSF						
322	AN 56.1	Describe and identify various layers of meninges with its extent and modifications	—	01	06	02
323	AN 56.2	Describe circulation of CSF with its applied anatomy	—	03	03	02
57. Spinal Cord						
324	AN 57.1	Identify external features of spinal cord	—	—	04	02
325	AN 57.2	Describe extent of spinal cord in child and adult with its clinical implication	—	—	02	02
326	AN 57.3	Draw and label transverse section of spinal cord at mid-cervical and mid-thoracic level	—	04	—	02
327	AN 57.4	Enumerate ascending and descending tracts at mid-thoracic level of spinal cord	—	01	—	02
328	AN 57.5	Describe anatomical basis of syringomyelia	—	01	—	02
58. Medulla Oblongata						
329	AN 58.1	Identify external features of medulla oblongata	—	01	—	02
330	AN 58.2	Describe transverse section of medulla oblongata at the level of (1) pyramidal decussation, (2) sensory decussation (3) ION	—	03	—	02
331	AN 58.3	Enumerate cranial nerve nuclei in medulla oblongata with their functional group	—	—	02	02
332	AN 58.4	Describe anatomical basis and effects of medial and lateral medullary syndrome	—	03	—	02
59. Pons						
333	AN 59.1	Identify external features of pons	—	01	—	02
334	AN 59.2	Draw and label transverse section of pons at the upper and lower levels	—	02	—	02
335	AN 59.3	Enumerate cranial nerve nuclei in pons with their functional group	—	01	—	02
60. Cerebellum						
336	AN 60.1	Describe and demonstrate external and internal features of cerebellum	—	02	04	02
337	AN 60.2	Describe connections of cerebellar cortex and intracerebellar nuclei	—	03	—	02
338	AN 60.3	Describe anatomical basis of cerebellar dysfunction	—	01	—	02
61. Midbrain						
339	AN 61.1	Identify external and internal features of midbrain	—	01	—	02
340	AN 61.2	Describe internal features of midbrain at the level of superior and inferior colliculus	—	—	03	02
341	AN 61.3	Describe anatomical basis and effects of Benedikt's and Weber's syndrome	—	03	—	02
62. Cranial Nerve Nuclei and Cerebral Hemispheres						
342	AN 62.1	Enumerate cranial nerve nuclei with its functional components	—	01	—	02
343	AN 62.2	Describe and demonstrate surfaces, sulci, gyri, poles, and functional areas of cerebral hemisphere	01	07	07	02
344	AN 62.3	Describe the white matter of cerebrum	02	02	02	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
345	AN 62.4	Enumerate parts and major connections of basal ganglia and limbic lobe	—	04	01	01
346	AN 62.5	Describe boundaries, parts, gross relations, major nuclei and connections of dorsal thalamus, hypothalamus, epithalamus, metathalamus and subthalamus	02	02	—	02
347	AN 62.6	Describe and identify formation, branches and major areas of distribution of circle of Willis	—	03	02	02
63. Ventricular System						
348	AN 63.1	Describe and demonstrate parts, boundaries and features of IIIrd, IVth and lateral ventricle	—	—	04	02
349	AN 63.2	Describe anatomical basis of congenital hydrocephalus	—	—	02	02
64. Histology and Embryology						
350	AN 64.1	Describe and identify the microanatomical features of spinal cord, cerebellum and cerebrum	—	03	—	02
351	AN 64.2	Describe the development of neural tube, spinal cord, medulla oblongata, pons, midbrain, cerebral hemisphere and cerebellum	—	03	—	02
352	AN 64.3	Describe various types of open neural tube defects with its embryological basis	—	01	02	02
GENERAL HISTOLOGY						
65. Epithelium Histology						
353	AN 65.1	Identify epithelium under the microscope and describe the various types that correlate to its function	—	03	05	02
354	AN 65.2	Describe the ultrastructure of epithelium	—	02	02	02
66. Connective Tissue Histology						
355	AN 66.1	Describe and identify various types of connective tissue with functional correlation	—	01	01	02
356	AN 66.2	Describe the ultrastructure of connective tissue	—	02	05	02
67. Muscle Histology						
357	AN 67.1	Describe and identify various types of muscle under the microscope	—	05	02	02
358	AN 67.2	Classify muscle and describe the structure–function correlation of the same	—	05	02	02
359	AN 67.3	Describe the ultrastructure of muscular tissue	—	05	02	02
68. Nervous Tissue Histology						
360	AN 68.1	Describe and identify multipolar and unipolar neuron, ganglia, peripheral nerve	—	06	02	02
361	AN 68.2	Describe the structure–function correlation of neuron	—	06	02	02
362	AN 68.3	Describe the ultrastructure of nervous tissue	—	06	02	02
70. Glands and Lymphoid Tissue						
363	AN 70.1	Identify exocrine gland under the microscope and distinguish between serous, mucous and mixed acini	—	04	04	02
364	AN 70.2	Identify the lymphoid tissue under the microscope and describe microanatomy of lymph node, spleen, thymus, tonsil and correlate the structure with function	—	04	04	02
71. Bone and Cartilage						
365	AN 71.1	Identify bone under the microscope; classify various types and describe the structure–function correlation of the same	—	03	03	02
366	AN 71.2	Identify cartilage under the microscope and describe various types and structure–function correlation of the same	—	02	01	02
72. Integumentary System						
367	AN 72.1	Identify the skin and its appendages under the microscope and correlate the structure with function	—	02	01	02
GENETICS						
73. Chromosomes						
368	AN 73.1	Describe the structure of chromosomes with classification	—	05	03	02
369	AN 73.2	Describe technique of karyotyping with its applications	—	05	03	02
370	AN 73.3	Describe the Lyon's hypothesis	—	05	03	02
74. Patterns of Inheritance						
371	AN 74.1	Describe the various modes of inheritance with examples	—	05	03	02
372	AN 74.2	Draw pedigree charts for the various types of inheritance and give examples of diseases of each mode of inheritance	—	05	03	02
373	AN 74.3	Describe multifactorial inheritance with examples	—	05	03	02
374	AN 74.4	Describe the genetic basis and clinical features of achondroplasia, cystic fibrosis, vitamin D resistant rickets, haemophilia, Duchene's muscular dystrophy and sickle cell anemia	—	05	03	02
75. Principle of Genetics, Chromosomal Aberrations and Clinical Genetics						
375	AN 75.1	Describe the structural and numerical chromosomal aberrations	—	10	04	02
376	AN 75.2	Explain the terms mosaics and chimeras with example	—	10	04	02

S. No.	Competency No.	Competency details	Long essays	Short essays	Short answers	MCQs
377	AN 75.3	Describe the genetic basis and clinical features of Prader-Willi syndrome, Edward syndrome and Patau syndrome				02
378	AN 75.4	Describe genetic basis of variation: Polymorphism and mutation				02
379	AN 75.5	Describe the principles of genetic counselling	—	01	01	02
EMBRYOLOGY						
76. Introduction to Embryology						
380	AN 76.1	Describe the stages of human life	—	01	—	02
381	AN 76.2	Explain the terms—phylogeny, ontogeny, trimester, viability	—	—	01	02
77. Gametogenesis and Fertilization						
382	AN 77.1	Describe the uterine changes occurring during the menstrual cycle	—	03	03	02
383	AN 77.2	Describe the synchrony between the ovarian and menstrual cycles				02
384	AN 77.3	Describe spermatogenesis and oogenesis along with diagrams	—	06	03	02
385	AN 77.4	Describe the stages and consequences of fertilization	—	03	—	02
386	AN 77.5	Enumerate and describe the anatomical principles underlying contraception	—	01	—	02
387	AN 77.6	Describe teratogenic influences; fertility and sterility, surrogate motherhood, social significance of “sex-ratio”	—	03	03	02
78. Second Week of Development						
388	AN 78.1	Describe cleavage and formation of blastocyst	—	02	06	02
389	AN 78.2	Describe the development of trophoblast	—	01	—	02
390	AN 78.3	Describe the process of implantation and common abnormal sites of implantation	—	02	02	02
391	AN 78.4	Describe the formation of extra-embryonic mesoderm and coelom, bilaminar disc and prochordal plate	—	03	02	02
392	AN 78.5	Describe in brief abortion; decidual reaction, pregnancy test	—	—	02	02
79. 3rd to 8th Week of Development						
393	AN 79.1	Describe the formation and fate of the primitive streak	—	03	01	02
394	AN 79.2	Describe formation and fate of notochord	—	01	01	02
395	AN 79.3	Describe the process of neurulation	—	03	—	02
396	AN 79.4	Describe the development of somites and intraembryonic coelom	—	02	03	02
397	AN 79.5	Explain embryological basis of congenital malformations, nucleus pulposus, sacrococcygeal teratomas, neural tube defects	—	—	02	02
398	AN 79.6	Describe the diagnosis of pregnancy in first trimester and role of teratogens, alpha-fetoprotein	—	—	04	02
80. Fetal Membranes						
399	AN 80.1	Describe formation, functions and fate of chorion: Amnion; yolk sac; allantois and decidua	—	04	01	02
400	AN 80.2	Describe formation and structure of umbilical cord	—	02	—	02
401	AN 80.3	Describe formation of placenta, its physiological functions, fetomaternal circulation and placental barrier	—	02	01	02
402	AN 80.4	Describe embryological basis of twinning in monozygotic and dizygotic twins	—	01	—	02
403	AN 80.5	Describe role of placental hormones in uterine growth and parturition	—	01	—	02
404	AN 80.6	Explain embryological basis of estimation of fetal age	—	01	—	02
405	AN 80.7	Describe various types of umbilical cord attachments	—	01	—	01
81. Prenatal Diagnosis						
406	AN 81.1	Describe various methods of prenatal diagnosis				02
407	AN 81.2	Describe indications, process and disadvantages of amniocentesis	—	03	02	02
408	AN 81.3	Describe indications, process and disadvantages of chorion villus biopsy				02
ETHICS						
82. Ethics in Anatomy						
409	AN 82.1	Demonstrate respect and follow the correct procedure when handling cadavers and other biologic tissue	—	04	—	02
Total Content			103	695	630	809
Total Number of Fill in the Blanks: 318						