

**MS[ Anatomy ]**

BF/2023/12

**Anatomy as applied to various clinical disciplines  
including Radiological & forensic anatomy**

**[Paper-I]**

Time : 3 Hours

M.M.: 100

Note: Attempt all questions. All questions carry equal marks.

**NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**

**The student must write Q.P. Code in the space provided on the Title page of the Answer Book.**

Illustrate your answer with suitable diagrams.

1. Describe the movements of thumb and mention the muscles involved in these movements. [10]
2. Discuss the anatomical basis of common skin incisions in surgical procedures. [10]
3. Describe the applied anatomy of cervical fascia. [10]
4. Describe the formation, course, tributaries and termination of coronary sinus. [10]
5. Describe the gross and applied anatomy of inguinal canal. [10]
6. Explain the forensic importance of lungs. [10]
7. Discuss the lymphatic drainage of lower limb along with its applied aspect. [10]
8. What is the anatomical route taken for carotid angiography? [10]
9. Describe the location, topographical and functional connections of OTIC ganglion. [10]
10. Write a short note on umbilicus. [10]

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**Gross human Anatomy including comparative  
Anatomy  
[Paper-II]**

Time : 3 Hours

M.M.: 100

Note: Attempt all questions. All questions carry equal marks.

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Illustrate your answer with suitable diagrams.

1. Describe the types of diaphragmatic hernia. [10]
2. Describe the boundaries, contents and applied aspect of adductor canal. [10]
3. Compare the human hand with the primates. [10]
4. Describe the location, relations distribution of sphenopalatine ganglion. [10]
5. Describe the origin, course and distribution of extracranial course of facial nerve. [10]
6. Describe the origin, course, distribution and applied aspect of left coronary artery. [10]
7. Describe the stability factors of lateral longitudinal arch of foot. [10]
8. Describe the deep cervical fascia in detail. [10]
9. Describe in detail the abduction at shoulder joint. [10]
10. Discuss the location, relations and clinical aspect of prostate gland. [10]

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**MS[ Anatomy ]**

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**Developmental & Microanatomy including  
elementary genetics  
[Paper-III]**

Time : 3 Hours

M.M.: 100

Note: Attempt all questions. All questions carry equal marks.

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**The student must write Q.P. Code in the space provided on the Title page of**  
**the Answer Book.**

Illustrate your answer with suitable diagrams.

1. Describe changes occurring during second week of development. [10]
2. Describe microscopic anatomy of stomach. [10]
3. Describe development of uterus and associated anomalies. [10]
4. Describe microanatomy of ovary. [10]
5. Describe autosomal dominant mode of inheritance. [10]
6. Describe gene therapy. [10]
7. Describe development of pancreas. [10]
8. Describe spermatogenesis. [10]
9. Discuss development of diaphragm along with various congenital anomalies. [10]
10. Discuss different staining methods of chromosomes. [10]

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**Q.P. Code: ANT104**

**MS[ Anatomy ]**

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**Neuroanatomy and recent advances  
in Anatomy  
[Paper-IV]**

Time : 3 Hours

M.M.: 100

Note: Attempt all questions. All questions carry equal marks.

**NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/PROVIDED**

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Illustrate your answer with suitable diagrams.

1. Discuss the posterior column tract along with its applied anatomy. [10]
2. Corpus callosum. [10]
3. Medial medullary syndrome. [10]
4. Hypoglossal nerve. [10]
5. T.S. of brainstem at facial colliculus. Write a note on neurobiotaxis. [10]
6. Thalamic nuclei with applied aspect. [10]
7. Blood brain barrier and its applied importance. [10]
8. Enteric nervous system. [10]
9. Neurolucida and its applications. [10]
10. Blood supply of Internal capsule with applied anatomy. [10]

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