



2521277503

Seat No.: _____

PROGRAMME OF THE B.H.M.S -EXAMINATION- MARCH- 2025

The First Year (CBDC)

Academic Year 2023-25

Subject Code: HOMUG-AN

Duration: 3:00 Hrs.

Subject Name: Human Anatomy Paper-1

Total Marks: 100

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 MCQ/Fill in the blanks (Attempt All Questions)

10

- 1) The strongest flexor of the elbow joint is
 - a) Brachioradialis
 - b) Biceps brachii
 - c) Brachialis
 - d) Coracobrachialis
- 2) Which nerve is commonly affected in carpal tunnel syndrome
 - a) Ulnar nerve
 - b) Radial nerve
 - c) Median nerve
 - d) Musculocutaneous nerve
- 3) The rotator cuff muscles include all except
 - a) Supraspinatus
 - b) Infraspinatus
 - c) Teres major
 - d) Subscapularis
- 4) Which artery supplies blood to the upper limb
 - a) Subclavian artery
 - b) Axillary artery
 - c) Brachial artery
 - d) Radial artery
- 5) The brachial plexus is formed by which spinal nerves?
 - a) C1–C4
 - b) T2–T6
 - c) C5–T1
 - d) L1–L4
- 6) Who first described the three germ layers?
 - a) Christian Pander
 - b) Caspar Friedrich Wolff
 - c) Ernst Haeckel
 - d) Karl Ernst von Baer
- 7) What is the significance of hox genes in development?
 - a) Regulation of body segmentation
 - b) Control of limb development
 - c) Formation of blood vessels
 - d) Control of neural tube formation
- 8) Explain the role of somites in embryonic development.
 - a) Develop into skeletal muscles, vertebrae, and dermis
 - b) Form the nervous system
 - c) Assist in cardiac development
 - d) Contribute to gastrointestinal tract formation



- 9) What is the main function of amniotic fluid?
a) Acts as a cushion and prevents mechanical injury b) Aids in the formation of the placenta
c) Provides oxygen to the fetus d) Helps in the absorption of nutrients
- 10) What is the first stage of embryonic development?
a) Cleavage b) Blastulation
c) Gastrulation d) Neurulation

Q.2 Short Questions. (Attempt All Questions)**40**

- 1) Describe the functions of the skin and its layers
2) Explain the classification of bones with examples.
3) Explain the median nerve's course and common injuries.
4) What are the boundaries and contents of the cubital fossa?
5) Discuss the muscles of mastication and their functions
6) Explain the course and branches of the facial nerve.
7) Describe the process of fertilization
8) Describe the Placenta

05

05

05

05

05

05

05

05

Q.3 Long Questions. (Attempt All Questions)**50**

- 1) Explain the brachial plexus, its branches, and clinical significance.
2) Explain the structure, function, and disorders related to the temporomandibular joint.
3) Describe in detail about Anterior Triangle
4) Describe the structure, function, and clinical relevance of the cerebellum
5) Describe in detail About Lateral Ventricle

10

10

10

10

10