



Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-1/BO-103/2009-10

2009

ANATOMY (GENERAL)

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)

1. Choose the correct alternatives for any *ten* of the following :

10 ∞ 1 = 10

- i) The storehouse of energy is
- | | |
|---------------|------------------|
| a) Nucleus | b) Lysosome |
| c) Golgi body | d) Mitochondria. |
- ii) Chromosomes are present in
- | | |
|--------------|------------------|
| a) Cell wall | b) Nucleus |
| c) Cytoplasm | d) all of these. |
- iii) Structure passing through Foramen Magnum is
- | | |
|-----------------|--------------------|
| a) Spinal Chord | b) Medulla |
| c) Cerebellum | d) Occipital lobe. |

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iv) Part of orbit which is formed by Ethmoid bone is

- a) floor
- b) lateral wall
- c) roof
- d) medial wall.

v) Olfactory nerve is a nerve.

- a) Sensory nerve
- b) Motor
- c) Mixed
- d) none of these.

vi) The third cranial nerve is called nerve.

- a) optic
- b) oculomotor
- c) trochlear
- d) none of these.

vii) Somatic cells are divided by

- a) Mitosis
- b) Meiosis
- c) Amitosis
- d) all of these.

viii) Which is a cranial bone ?

- a) Sphenoid
- b) Sternum
- c) Patella
- d) Sacrum.

ix) Blood is a tissue.

- a) connective
- b) epithelial
- c) both of these
- d) none of these.



- x) Amongst the nerves listed below which cranial nerve has the longest intracranial course ?
- a) IIIrd Cranial Nerve b) IVth Cranial Nerve
c) VIth Cranial Nerve d) None of these.
- xi) Knee joint is a type of joint.
- a) ball socket type b) fibrous
c) cartilaginous d) synovial
e) none of these.

GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following.

3 ∞ 5 = 15

2. Spermatogenesis.
3. Paranasal sinuses.
4. Muscles of mastication.
5. True pelvis.
6. Golgi bodies.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following. 3 ∞ 15 = 45

7. What are the different types of cell division ? Describe briefly the process of mitosis with a suitable diagram. What is crossing over ? What is the importance of crossing over ?

3 + 8 + 2 + 2

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8. Describe synovial joints with examples. Describe features, movements and stabilising factors of synovial joints. 5 + 10
9. What is chromosome ? Describe its structure and chemical composition. What are "deletion" and "translocation" ? 11 + 4
10. a) Describe the structure of sperm, in brief.
- b) Describe the structure of ovary, in brief.
- c) Describe briefly the phases of embryonic development.

4 + 4 + 7

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