Name : .....

Roll No. : .....

Invigilator's Signature : .....

CS/B.OPTM/SEM-1/BO-103/2012-13

2012
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 of the following : $10 \times 1 = 10$

i) ..... is a pneumatic bone

a) Sphenoid b) Femur

c) Ulna d) Clavicle.

ii) The epithelium of the cornea is

a) Columnar keratinised

b) Columnar non-keratinised

c) Stratified Squamous, keratinised

d) Stratified Squamous non-keratinised.

iii) Chromosomes are present in

a) Cell Wall b) Nucleus

c) Cytoplasm d) All of these.

iv) The store house of energy is

a) Nucleus b) Lysosome

c) Golgibody d) Mitochondria

v) Number of chromatids after meiosis *I* is

a) 92 b) 46

c) 23 d) 12.

vi) Villi is present in

a) Lungs b) Intestine

c) Epididymis d) Ureter.

vii) Endomysium encloses

a) muscle fibre b) muscle

c) myofibril d) *I* band.

viii) The type of joint between epiphysis and diaphysis of long bone is

a) synovial b) symphysis

c) fibrous d) synchondrosis.

ix) Example of synovial joint is

a) suture b) hip joint

c) radio-ulrar joint d) tibio-fibular joint.

x) Mandible is

a) cranial bone b) flat bone

c) facial bone d) long bone.

GROUP – B

(Short Answer Type Questions)

Write short notes on any *three* of the following. 3 × 5 = 15

2. Cartilage.

3. Cornea

4. Mitochondria.

5. Paranasal Sinuses.

GROUP – C

(Long Answer Type Questions)

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

6. What are the different types of connective tissue cells ? Describe briefly their structure and distribution with suitable diagrams. 5 = 10

7. Describe Planes of the body. Explain different anatomical directions. What are the cavities of human body. 15

8. What is chromosome ? Describe its structure and Chemical composition. What are "deletion" and "translocation ?"

1 + 10 + 4

9. Define synovial joint. Describe the classification of synovial joint. Write the lubricating factors and stabiling factors of the joint. 1 + 8 + 3 + 3