

Name :

Roll No. :

Invigilator's Signature :

CS/B.OPTM/SEM-1/BO-103/2011-12

2011

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

(Objective Type Questions)

1. Answer any *ten* questions : 10 × 1 = 10

A. Choose the correct alternatives for the following :

i) Transitional Epithelium is present in

a) Gastrointestinal tract

b) Bronchus

c) Bladder

d) Skin.

ii) Bone absorption is caused by

a) Osteoblast

b) Osteoclast

c) Osteocyte

d) None of these.

1105

[Turn over



- iii) Non-keratinized stratified squamous epithelium cell is found in
- a) cornea
 - b) tongue & mouth
 - c) lower part of anal canal
 - d) all of these.
- iv) Which is not a content of the orbit ?
- a) The 6th cranial nerve
 - b) Ciliary ganglion
 - c) Cavernous sinus
 - d) Lacrimal gland.
- v) Which does not pass throught the inferior orbital fissure ?
- a) Zygomatic nerve
 - b) Maxillary division of trigeminal nerve
 - c) Abducens nerve (VIth nerve)
 - d) Infraorbital artery.
- vi) Sella turcica lodges
- a) optic chiasma b) pineal gland
 - c) pituitary gland d) thyroid gland.
- vii) Crossing over occurs in
- a) Leptotene b) Pachytene
 - c) Zygotene d) Diplotene.



B. Fill the blanks with appropriate answers :

- viii) Synovial fluid is rich in
- ix) The junction between diaphysis & epiphysis is known as
- x) nerve supplies the masticatory muscles.
- xi) is a sesamoid bone of the body.

GROUP – B

(Short Answer Type Questions)

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

3 × 5 = 15

- 2. Hip joint.
- 3. Types of movement of synovial joint.
- 4. Brain stem.
- 5. A labelled diagram of testis.

GROUP – C

(Long Answer Type Questions)

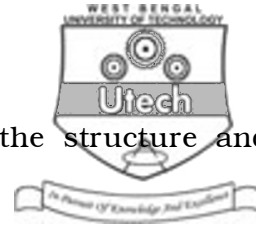
Answer any *three* of the following.

3 × 15 = 45

- 6. Draw and describe the superior orbital fissure.
- 7. a) What are the different stages of pregnancy ?
b) Discuss spermatogenesis.

7 + 8

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8. a) What are chromosomes ? Discuss the structure and types of chromosomes.

b) What is chromosome aberration ? 8 + 7

9. Describe the structure of myofilaments with suitable diagram. What are the functions of sarcoplasmic reticulum ?
What are the difference between red & white muscles ?

8 + 4 + 3

