	<u>Un</u>	ech
Name :		3/
Roll No. :	Town or the	hilip 3nd Explored
Invigilator's Signature	<i>:</i>	
	CS/B.OPTM/SEM-1/BO-103/2	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.	Ch	coose the correct alternatives for any ten of the following:
		$10 \propto 1 = 10$
	i)	The storehouse of energy is

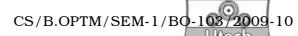
- a) Nucleus b) Lysosome
- c) Golgi body d) Mitochondria.
- ii) Chromosomes are present in
 - a) Cell wall b) Nucleus
 - c) Cytoplasm d) all of these.
- iii) Structure passing through Foramen Magnum is
 - a) Spinal Chord b) Medulla
 - c) Cerebellum d) Occipital lobe.

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iv) Part of orbit which is formed by Ethmoid bone						
	a)	floor	b)	lateral wall		
	c)	roof	d)	medial wall.		
v)	Olf	Olfactory nerve is a nerve.				
	a)	Sensory nerve	b)	Motor		
	c)	Mixed	d)	none of these.		
vi)	The	nerve.				
	a)	optic	b)	occulomotor		
	c)	trochlear	d)	none of these.		
vii)	Son	natic cells are divide	ed by			
	a)	Mitosis	b)	Meiosis		
	c)	Amitosis	d)	all of these.		
viii) Wh	Which is a cranial bone?				
	a)	Sphenoid	b)	Sternum		
	c)	Patella	d)	Sacrum.		
ix)	Blo	Blood is a tissue.				
	a)	connective	b)	epithelial		
	c)	both of these	d)	none of these.		

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- 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.

 $3 \propto 5 = 15$

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

GROUP - C

(Long Answer Type Questions)

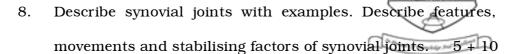
Answer any *three* of the following. $3 \times 15 = 45$

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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- 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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