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Enrollment No.....

Faculty of Science

End Sem Examination Dec 2024

FS3CO03 Human Anatomy

Programme: B.Sc. (Hons.)

Branch/Specialisation: Forensic
Science

Duration: 3 Hrs.

Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

	Marks	BL	PO	CO	PSO
Q.1 i. The term “Lateral” in anatomy means-	1	1	2	3	1
(a) Describes the front or direction toward the front of the body. The toes are anterior to the foot.					
(b) Describes the back or direction toward the back of the body. The popliteus is posterior to the patella.					
(c) Describes the side or direction toward the side of the body. The thumb (pollex) is lateral to the digits.					
(d) Describes the middle or direction toward the middle of the body.					
ii. In the terms of anatomy “Stratified Tissue” is-	1	1	1	2	1
(a) One layer of cells					
(b) Two or more layers of cells					
(c) Makes up the epidermis of skin					
(d) Found in regions subject to abrasion, for example oral mucosa and vaginal lining					
iii. Which of the following is an example of flat bone in human body?	1	1	2	3	1
(a) Femur					
(b) Carpals					
(c) Metacarpals					
(d) Sternum					

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iv.	Shoulder joint is also known as-	1	1	1	2	1
	(a) Temporomandibular joint					
	(b) Articulations					
	(c) Glenohumeral joint					
	(d) Humeroulnar joint					
v.	Which of the following statements about the human respiratory system is more relevant?	1	1	1	2	1
	(a) When we breathe in, air travels from the pharynx to the trachea.					
	(b) The bronchioles branch into bronchi.					
	(c) Alveolar ducts connect to alveolar sacs.					
	(d) Gas exchange between the lungs and blood takes place in the alveolus.					
vi.	Which of the following point about the circulatory system is good?	1	1	2	2	2
	(a) Blood in the pulmonary vein is deoxygenated.					
	(b) Blood in the inferior vena cava is deoxygenated.					
	(c) Blood in the pulmonary artery is deoxygenated.					
	(d) Blood in the aorta is oxygenated.					
vii.	The last part of the brain, which is connected to the spinal cord?	1	1	2	3	1
	(a) Medulla oblongata					
	(b) Cerebral cortex					
	(c) Cerebellum					
	(d) Diencephalon					
viii.	Which of the following hormone in human body is NOT secreted by pituitary gland in human body?	1	1	3	2	1
	(a) GH (b) STH					
	(c) ADH (d) Cortisone					
ix.	Part of stomach that connects to the duodenum-	1	1	3	3	1
	(a) Cardiac (b) Fundus					
	(c) Pylorus (d) Body					
x.	Which of the following is NOT a function of human kidney?	1	1	3	3	2
	(a) Removal of metabolic wastes					
	(b) Regulation of acid-base balance					
	(c) Maintenance of blood pressure					
	(d) Metabolisium					

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Q.2	i.	Name any four plains of body with respect to its position.	2	2	2	3	1
	ii.	What are body cavities? Name any three cavities.	3	1	2	2	3
	iii.	Explain the structure of human cell with labelled diagram.	5	1	2	2	1
OR	iv.	What are tissues? Gives its different types.	5	1	1	2	1
Q.3	i.	Name different layers of integumentary system of body.	2	2	2	3	1
	ii.	Describe complete classification of bones in human body.	8	2	2	2	1
OR	iii.	Describe the complete classification of joints in human body.	8	2	1	1	2
Q.4	i.	Give the names of components of blood.	3	2	2	1	3
	ii.	Describe the complete anatomy of human heart with diagram.	7	2	2	1	3
OR	iii.	Explain the complete anatomy of human respiratory system with diagram.	7	2	2	1	3
Q.5		Explain neurons in detail.	4	1	2	2	1
		Describe complete classification of human brain.	6	2	2	1	1
OR		What is gland? Give complete description with its type.	6	2	2	1	1
Q.6		Attempt any two:					
	i.	Describe anatomy of digestive system in humans.	5	2	3	1	1
	ii.	Explain any five parts of digestive system in humans.	5	2	3	1	1
	iii.	Describe any five roles of kidney. Name its different parts.	5	3	2	2	1

Marking Scheme
FS3CO03 (T) Human Anatomy (T)

Q.1	i.	(c) Describes the side or direction toward the side of the body. The thumb (pollex) is lateral to the digits	1	Q.5	i.	Nerons 2M Its parts 2M	4
	ii.	(b) two or more layers of cells	1		ii.	Fore Brain 2M Mid Brain 2M Hind Brain 2M	6
	iii.	(b) Sternum	1	OR	iii.	Gland and its type 3M Function of glands 3M	6
	iv.	(c) glenohumeral joint	1				
	v.	(b) The bronchioles branch into bronchi	1	Q.6			
	vi.	(c) Blood in the pulmonary artery is deoxygenated.	1		i.	Upper Digestive Tract 2.5M Lower Digestive Tract 2.5M	5
	vii.	(a) Medulla Oblongata	1		ii.	Oesophagus 1M Stomach 1M Small Intestine 1M Large Intestine 1M Rectum 1M	5
	viii.	D Cortisone	1		iii.	Role of Kidney 2.5M Parts 2.5M	5
	ix.	C Pylorus	1				
	x.	D Metabolisium	1				
Q.2	i.	plains of body (Any 4) 0.5 each	2				
	ii.	Body Cavities. 1.5M Name the cavities (Any 3) 1.5M	3				
	iii.	Explain the Structure of human cell 3M Diagram 2M	5				
OR	iv.	What are Tissues 2.5M Gives its different types 2.5M	5				*****
Q.3	i.	Different layers of Integumentary System	2				
	ii.	Axial Bones 4M Appendicular Bones 4M	8				
OR	iii.	Cartilaginous Joint 4M Fibrous Joint, Synovial 4M	8				
Q.4	i.	Solid Part 1.5M Liquid Part 1.5M	3				
	ii.	Heart Membrane 2M Chambers 2M Arteries & Veins 2M Diagram 1M	7				
OR	iii.	Upper Respiratory Tract 3.5M Lower Respiratory Tract 3.5M	7				