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History of Anatomy

(b) relative life spans.

I. Definition of the Science

Concept: The science of human anatomy is concerned with the structural organization of the human body. The descriptive anatomical terminology is principally of Greek and Latin derivation.

A.	Multiple Choice Questions						
	1.	Ana	meaning				
	_	(a)	"to cut up."	(c)	"functioning part."		
		(b)	"analysis."	(d)	"observe death."		
	_ 2.	Phy	siology is the study of bod	.y			
		(a)	structure.	(c)	function.		
		(b)	organization.	(d)	chemistry.		
	_ 3.	Ana	ntomy is a subdivision of th	e science o	of		
		(a)	biology.	(c)	genetics.		
		(b)	human behavior.	(d)	human ecology.		
	_ 4.	The	majority of anatomical terr	ns are deriv	ved from		
		(a)	Latin and German.	(c)	Greek and Latin.		
		(b)	German and French.	(d)	French and Latin.		
B.	Tr	ue–	False Questions				
	_ 1.	The	Greek term anatomize mea	ans "dissec	t."		
	_ 2.	Eac	h body structure is adapted	to perform	a function, or perhaps several functions.		
	_ 3.	Hur	man cadavers are a vital asp	ect of the s	study of human anatomy.		
	_ 4.	The	history of human anatomy	as a scient	tific discipline parallels that of medicine.		
П.	Preso	cient	ific Period				
rg		-	Evidence indicates that a kn e foundation for medicine.	owledge o	f anatomy was of survival value in prehistoric times and that it		
A.	M	ultip	ole Choice Questions				
	_ 1.		• •	of drilling	g a hole in the skull or removing a portion of the cranial bone is		
			wn as	(.)			
		(a)	craniectomy.	(c)	paleomorphotomy.		
		(b)	trepanation.	(d)	lobectomy.		
	_ 2.	Pale	eopathology of prehistoric h	numans is c	concerned with studying		
		(a)	disease and causes of deat	th. (c)	growth rates and body structure.		

(d) sexual dimorphism.

В.	Tr	ue–]	False Questions					
	_ 1.	Prel	nistoric people gained a p	ractical know	eledge of anatomy because it helped them to survive.			
	_ 2.	Trep	panation was an esoteric	surgical techr	ique used only by an isolated population of prehistoric po	eople.		
III.	Scien	tific	Period					
鸥					wing science with a long, exciting heritage. It continues levelopmental, cytogenetic, and biomechanical research.	to		
A.	M	ultip	ole Choice Question	ns				
	_ 1.	Wid	lespread acceptance of hu	man anatomy	as a science first occurred in ancient			
		(a)	Rome.	(c)	China.			
		(b)	Egypt.	(d)	Greece.			
	_ 2.		_	_	nedical practice earned this man the title "father of medic	ine."		
		(a)	Hippocrates	(c)	Erasistratus			
		(b)	Aristotle	(d)	Galen			
	_ 3.	Whi		ors was belie	ved by Hippocrates to be associated with the lungs?			
		(a)	black bile	(c)	phlegm			
		(b)	yellow bile	(d)	blood			
	_ 4.	The	-	otle to be the	"seat of intelligence" was			
		(a)	the liver.	(c)	the brain.			
		(b)	the heart.	(d)	the intestine.			
	_ 5.	Who	_	nent of the he	art in a chick embryo in the first known account of embry	ology?		
		(a)	Harvey	(c)	Malpighi			
		(b)	Vesalius	(d)	Aristotle			
	6. What event that took place about 1450 helped to usher in the Renaissance?							
		(a)	the development of the					
		(b)	the acceptance of the sc		od			
		(c)	the development of the					
		(d)	the development of mo	vable type				
	_ 7.		_	_	De Humani Corporis Fabrica was written and illustrated	l by		
		(a)	Leonardo da Vinci.	(c)	Vesalius.			
		(b)	Harvey.	(d)	Leeuwenhoek.			
	_ 8.	Whi	_	would not ha	ve believed in the humoral theory of body organization?			
		(a)	Schwann	(c)	Hippocrates			
		(b)	Galen	(d)	Aristotle			
	_ 9.	The			am Harvey was his research on			
		(a)	the continuous circulat					
		(b)	the microscopic structu		ozoa.			
		(c)	the detailed structure of					
		(d)	the striped appearance of	di skeletal mu	iscie.			

В.	T	rue–False Questio	ns					
	1.	Claudius Galen is reg he established.	garded a	as the father o	f medicine because of the sound principles of medical practice that			
	Galen had a tremendous impact on h years.			pact on huma	n anatomy in that his writings were influential for nearly 1,500			
	3.	The period of the Re	naissan	ce lasted fron	n the sixteenth through the eighteenth century.			
	4. The most important contribution to he improvement of the microscope.				n anatomy in the eighteenth century was the discovery and			
C.	M	atching Questions						
Matcl	h the p	person with the signific	ant cor	ntribution.				
	1.	Galen	(g)	establishme	nt of human anatomy as a comparative science			
	2.	Harvey	(b)	father of me	dicine			
	3.	Erasistratus	(c)	influential n	nedical writer of the second century			
	4.	Leeuwenhoek	(d)	father of ana	·			
		Müller	(e)	father of ph	·			
		Vesalius	(f)		on of blood flow			
	7.	Hippocrates	(a)	developmen	t of the microscope			
IV.	Chaj	pter Review						
Α.	Μ	fultiple Choice Qu	iestio	ns				
				.1 1				
	1.	X rays were discover (a) Roentgen.	ed duri	ng the late nir (c)	Schleiden.			
		(b) Hooke.		(d)	Müller.			
	2.		ng was		significance in the development of human anatomy as a science?			
		(a) vivisections(b) human dissection	on a	(c)	invention of the microscope			
		(b) human dissection	ons	(d)	movable type			
	3.	The first Greek refere	ence to	human anatoi	ny appears in			
		(a) Homer's Odyss	sey.	(c)	Appolonius of Argo.			
		(b) Homer's <i>Iliad</i> .		(d)	The Trojan Women.			
	4.	The dissection of hur	nan cad	lavers was pro	phibited in			
	• •	(a) the Alexandrian		(c)	the Middle Ages.			
		(b) the Grecian per		(d)	the early twentieth century.			
	5	Diato Assistation	nton L	diagrad that 41	a brain was the seat of feeling and thought but Aristotle			
	5.	disagreed. Aristotle b			e brain was the seat of feeling and thought, but Aristotle was the seat of intelligence.			
		(a) the liver	, C11C V CC	(c)	the kidney			
		(b) the heart		(d)	none of the above			

	6. Aristotle believed that the function of the brain was to (a) keep the four body humors in check. (b) cool the blood. (c) remove waste products from the blood. (d) break down and store lipid molecules.						
B.	True-False Questions						
	1. Angiography involves the use of radiographs following the injection of a radiopaque substance into the lymph nodes.						
	2. Radiology is based on the principle that substances of different densities absorb different amounts of X ra	ys					
	3. Cytology is the study of tissues.						
·	4. Malpighi was the first to actually see capillaries.						
	5. Human dissections were not performed in Alexandria because Aristotle thought it was inhumane.						
	6. Vesalius and Leonardo da Vinci produced monumental studies of the human form but were not involved i human dissections.	n					
C.	Completion Questions						
1.	The science of concerns understanding body structure, whereas the science of						
	concerns understanding body functions.						
2.	The Galenic philosophy of blood circulation prevailed for over 1,400 years, until						
	published his work On the Motion of the Heart and Blood in Animals.						
3.	Chinese medicine uses the practice of, which is believed by some to maintain a balan	ce					
	between the life forces of yin and yang.						
4.	The act of dissecting live human beings as a form of study is called						
5.	Schleiden and are credited with the biological principle known as the cell theory.						
6.	is the science concerned with studying diseases and the causes of death in preserved						
	forms, such as mummies from Egypt.						
7.	For many years, the predominant medical theory was that a balance of the four was						
	essential in maintaining body health.						
8.	For nearly 1,500 years, the writings of were regarded as the authoritative reference on human anatomy and medical treatment.						
9.	was the author of the masterpiece on anatomy <i>De Humani Corporis Fabrica</i> .						

10.	Significant improvements in the microscope were accomplished in the seventeenth century by the Dutch lens						
	grinder						
11.	The term <i>cell</i> was coined in 1665 by the English physician						
12.	The study of the structures of a cadaver that can be observed with the unaided eye is referred to as						
	anatomy.						