

AMREF INTERNATIONAL UNIVERSITY SCHOOL OF MEDICAL SCIENCES

DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES

BACHELOR OF SCIENCE IN NURSING

END OF SEMESTER EXAMINATIONS DECEMBER 2023

COURSE CODE AND TITLE: BSM 122/BSN 122 HUMAN ANATOMY II

Date:11- DECEMBER -2023

Time: 2 Hours Start: 9:00AM Finish: 11:00AM

Instructions

- 1) This paper has three sections: Section A, Section B and Section C
- 2) Answer **ALL** questions in Section A and Section B and C
- 3) Use the University examination booklets provided
- 4) Re-writing the questions on your answer sheet is unnecessary

C. celiac trunkD. femoral artery

1.	A tumor in the thyroid gland is MOST likely to present withon the surrounding structures: -	as a result of pressure
	A. Night sweats	
	B. Hypothyroidism	
	C. Difficulty is swallowingD. Elevated levels of thyroxine	
	D. Elevated levels of thyroxine	
2.	A pheochromocytoma is an adrenaline secreting tumor. This tumor arises for	rom the of
	the adrenal gland: -	
	A. Zona reticularis	
	B. Zona fasciculateC. Chromaffin cells	
	D. Zona glomerulosa	
	D. Zona giomeruiosa	
3.	Hypothalamic releasing and release-inhibiting hormones are transported from	om the hypothalamus to
	the pituitary gland by way of the: -	
	A. Diffusion through the interstitial fluid	
	B. Hypothalamo-hypophyseal portal system	
	C. The hypothalamo-hypophyseal tract	
	D. The general bloodstream	
4.	How do hormones from the thyroid and parathyroid regulate the calcium co	oncentration of the blood:
т.	-	incommunion of the croot.
	A. Thyroxine and triiodothyronine together regulate calcium levels, as	needs dictate.
	B. Both parathyroid hormone and the three thyroid hormones function levels	to regulate blood calcium
	C. Calcitonin lowers blood calcium; parathyroid hormone raises blood	calcium
	D. Parathyroid hormone lowers blood calcium; calcitonin raises blood	
_		
5.	Pancreatic cells that secrete insulin hormone are the: -	
	A. Beta cells	
	B. Delta cellsC. Alpha cells	
	D. Acinar cells	
	D. Achiai cens	
6.	The foregut is supplied by the following artery: -	
	A. superior mesenteric artery	
	B. inferior mesenteric artery	

7.	Abnormal septation of the foregut may result in: - A. Pulmonary agenesis B. Tracheoesophageal fistula C. Accessory lobe of the lung D. Respiratory distress syndrome of the newborn
8.	When food reaches the stomach, the gall bladder contracts to release bile. This bile is released into the: -
	A. Colon
	B. Jejunum
	C. Stomach
	D. Duodenum
9.	The pyloric sphincter is found between the: -
	A. Ileum and caecum
	B. Esophagus and stomach
	C. Stomach and duodenum
	D. Duodenum and jejunum
10.	The delivers blood rich in nutrients to the liver from the intestines: -
10.	A. Portal vein
	B. Portal artery
	C. Hepatic vein
	D. Hepatic artery
11.	The congenital anomaly of the digestive system that presents with a defect in the anterior abdominal
	wall is: -
	A. Omphalocele
	B. Pyloric stenosis
	C. Meckel's diverticulum
	D. Malrotation of the midgut
12.	The juxtaglomerular apparatus is formed by the afferent arteriole and the: -
	A. Distal convoluted tubule
	B. Proximal convoluted tubule
	C. Thin ascending loop of Henle
	D. Thick descending loop of Henle
13.	A is a congenital malformation of the kidney where the inferior poles fuse in the
	pelvis: -
	A. Pelvic kidney
	B. Renal duplex
	C. Horseshoe kidney
	D. Polycystic kidney

14. There	is/are opening(s) in the urinary bladder: -
A.	1
B.	2
C.	3
D.	4
15. Regard	ling the juxtaglomerular apparatus: -
A.	The macular densa is modified afferent arteriole endothelium
B.	Renin is secreted in response to reduced tubular pressure
C.	Juxtaglomerular cells are primarily located in the walls of the efferent arteriole of the glomerulus
D.	The macula densa is part of the thick ascending limb of the loop of Henle
16. Conce	rning the effects of hormones on the renal tubules, which is one CORRECT: -
	Aldosterone increases potassium (K) reabsorption from the distal tubule
	Angiotensin II increases hydrogen (H) secretion from the proximal tubule
	Antidiuretic hormone (ADH) increases water reabsorption in the proximal convoluted tubule (PCT)
D.	Atrial natriuretic peptide (ANP) decreases sodium (Na) reabsorption from the proximal
	convoluted tubule (PCT)
17. The pe	enile urethra lies within the substance of: -
A.	Tunica albuginea
B.	Corpus cavernosum
C.	Corpus spongiosum
D.	Seminiferous tubules
10 The or	can that anodyces the largest volume of somen is:
	gan that produces the largest volume of semen is: - The testis
	Prostate gland
	Seminal vesicles Pull-curathyal aland
D.	Bulbourethral gland
19. The _	secretes hormones in the ovary after ovulation: -
	The oocyte
	Corpus luteum
	Cumulus oophorous
D.	Interstitial cells of Leydig
20 The fe	Union tubo.
	llopian tube: -
	Has an infundibulum that passes into the uterine wall
	Lacks a lamina propria
	Is lined by simple squamous epithelium
D.	Has a short narrow thick- walled isthmus

SECTION B: SHORT ANSWER QUESTIONS	
1. Name the parts of the pituitary gland and indicate the hormones secreted by each.	. (5 Marks)
2. Describe the structural organization of the fallopian tube wall.	(5 Marks)
3. Describe the structural organization of the wall of colon.	(5 Marks)
4. Use a labelled diagram to illustrate the components of the biliary tree.	(5 Marks)
5. Outline the parts and functions of each part of the nephron.	(5 Marks)
6. Describe the structure and functions of the ovary.	(5 Marks)
SECTION C: LONG ANSWER QUESTIONS	[20 Marks]
Describe the layers of the wall of the body of the uterus	(10 Marks)

2. Describe the different varieties of the Mullerian duct malformations

(10 Marks)