## **Exam 4 Review**

1) Which type of immunity is NOT present at birth?

	Adaptive	
$D^{2}$	Which cells are involved in the memory response	?
	a. B cells	
	b. Tcells	
	c. NK cells	
	<ul><li>a and b</li></ul>	
	e. a and c	
3)	What signaling proteins help to recruit adaptive in Cytokines	nmune cells?
4)	What has the ability to initiate an immune respon	se?
	antigens	
5)	What are the functions of each type of immunogle	obulin?
	Ig A'. In breast milk, protects GI tract Ic from pathogens Ig E: Helminths&ralergy response *least commons Ig G: Innate immunity, passes thru placenta, Ig Ig G: detoxification *most plentiful antibody*	M. Microbial infection, antigen invasion first
	Trom pathogens	antibody produced
	Ig E included in many response a least community. Dasso share aleast community.	D: Activation of B-cells, but mainly unknown
	IgG deterification *most plentiful antibody*	
B 6)		G
9	a. Skeletal Muscle	**
	Transitional Epithelium	
	c. Simple Cuboidal Epithelium	
	d. Stratified Squamous Epithelium	
<b>B</b> 7)	ADH is associated with water retention. Where is	t secreted from?
	a. Anterior Pituitary	
	Posterior Pituitary	
	c. Adrenal	
	d. Kidneys	
8)	Cortisol is secreted by the adrena gland and is	associated with stress.
<b>6</b> \	Marchael Martine March Company and Chille	and Calmadony of Marcolland and Marcolland
9)	True False: Urine is a byproduct of digestive was	e.
4.0		
10	)) Name two functions of the renal system.	
	· Control of blood pt, volume, & pressur	Catan ve nelena (A

· Removal of waste products and reabsorption of filtered nutrients

11) Which of the following is not a function of compliment proteins?

a. Cell Lysis ✓

b. Initiate Phagocytosis ✓

c) Antibody Production ✗

d. Induce Inflammation ✓

## 12) Matching

- a. Endocrine
- b. Paracrine
- c. Autocrine
- d. Oxytocin
- e. Peptide
- f. Mastication
- g. Deglutition
- h. Prehension
- i. Insulin
  - D Causes smooth muscle contractions.
  - F Chewing/mashing of food.
  - **B** Acts on tissue in close proximity to where it was produced.
  - Act of getting food into the mouth.
  - A Acts on tissue far from where it was produced.
  - **G** Swallowing of the bolus.
  - **E** Needs a second messenger to carry it to a different cell.
  - C Acts on the same cell that produced it.
  - **I** Hormone secreted in response to high blood glucose.
- 13) Hormones are specific and will only bind to specific receptors.
- 14) Define each type of feedback loop and give an example of each.

Positive: Response AMPLIFIES the system 7 0xy tocins contraction

Negative: Response INHIBITS The system > insulin & blood sugar 15) True False: Pinnae are not a prehensile tool.

16) What is the function of the brush boarder?

Absorption of nutrients in the SI(small intestines)

17) What	do parietal cells (found in the stoma	ch) do?		
/ several Six	Secrete H18-C1- to make	HCI		
18) The or	masum absorbs water			
	hind-gut bial fermentation in Hamidity fermen	ters occurs in the		
	Cecum	Carried in description of		
b.	Rumen	May a Caregoria		
C.	Reticulum	Side of Contract		
u.	Proventriculus			
<b>2</b> 0) What I	hormone is associated with hunger?			
a.	Insulin	the person of third segment that		
b.		was a serie of processing with a series		
6	Ghrelin	the second of productions		
d.	Glucagon			
a. (b) c. d.	n type of digestion occurs in the true Mechanical Enzymatic Fermentation Chemical are some signs of standing heat?	stomach?		
Vocalization, Winking Vulva, Lordosis, Interest in Males, Swelling				
23) What brings the testicles closer to or further from the body?				
Cremaster Muscle				
24) What provides blood, lymph, and nerve supply to the female reproductive tract				
while	suspending it inside of the body?	Sroad Ligament		
	is a cryptorchid?			
M	ale where one or both testes fa	ail to descend		
26) What i	is the function of the cervix?	inside)		
27) Where	is the function of the cervix?  Seal between the vagina & use does spermatogenesis start?	erus		
5eminiferous tubules 28) Where do sperm mature?				
	epididymus			