## Enrollment No: \_\_\_\_\_ PARUL UNIVERSITY FACULTY OF PHARMACY

FACULTY OF PHARMACY B.Pharm., Summer 2017 - 18 Examination

Subj	ester: 1 ect Code: BP101T ect Name: Human Anatomy and Physiology- I	Date: 29/05/2018 Time: 10:00 am to 1:00 pm Total Marks: 75
	uctions:	
-	gures to the right indicate maximum marks. ake suitable assumptions wherever necessary.	
Q.1	Multiple Choice Questions (MCQs) (1 Mark Each)	(20)
1.	Connexons is present in which types of cell junction?	2
	a) tight junction	b) desmosomes
	c) hemidesmosomes	d) gap junction
2.	Which form of transporter through plasma membrane cells?	es requires expenditure of energy by the
	a) diffusion	b) osmosis
	c) active transport	d) facilitated diffusion
3.	Which of the following is <b>NOT</b> a connective tissue?	
	a) blood	b) mesothelium
	c) fat	d) tendon
4.	Calorigenic effects is due to presence of gla	nd.
	a) thyroid	b) pituitary
	c) pancreas	d) adrenal
5.	Action potential generation is characteristic of which	types of tissue?
	a) Connective	b) Muscular
	c) Nervous	d) both b & c
6.	The neuroglial cell responsible for formation of blood	d brain barrier in CNS is?
	a) Astrocyte	b) Ependymal cell
	c) Oligodendrocyte	d) Microglial cell
7.	The value of Resting membrane potential in neuronal	l cells is?
	a) -72 mV	b) -70 mV
	c) 50 mV	d) 110 mV
8.	Ball and socket kind of movable joint present in?	
	a) fingers of hand	b) clavicle with scapula
	c) hip and femur	d) vertebrae column
9.	Osmotic pressure and body temperature regulation is	function of
	a) hypothalamus	b) cerebrum
	c) hippocampus	d) diencephalon
10.	Complete loss of adrenocortical hormones leads to de	eath due to
	a) respiration failure	b) liver cirrhosis
	c) hypertension	d) dehydration and electrolyte imbalances
11.	Which of the neurotransmitter has potent analgesic (p	pain-relieving) effect, which is 200 times
	stronger than morphine?	
	a) Enkephalins	b) Acetylcholine
	c) Dopamine	d) NO
12.	Brain stem consist of	
	a) Medulla oblongata	b) Pons
	c) Midbrain	d) all of the above
13.	Non-Polar, hydrophobic molecules move across the l	ipid bilayer through the process of?
	a) simple diffusion	b) active transport
	c) vesicle mediated transport	d) osmosis

<ul> <li>&amp; pesticide is function of</li></ul>	14.	4. Detoxification of lipid-soluble drugs or potentially harmful substances, such as alcohol, carcinog				
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4. Write on anatomy and physiology of cerebellum.						
	3.					
5. Explain about physiology of muscle contraction.	4.					
	5.					
6. Differentiate in between sympathetic and parasympathetic nervous system.	6.					
7. Explain the anatomy and physiology of thyroid gland.	7.					
9 List out various maniel names with its origin and function	8.					
e	9.	Explain with example Intracellular signalling pathway activation by extracellular signal molecule.				
o. List out various cramal nerve with its origin and function.	9.	Explain with example Intracellular signalling pathway activation by extracellular signal molecule.				