Enrollment No:_____

PARUL UNIVERSITY FACULTY OF PHYSIOTHERAPY BPT, Supplementary Examination November 2017

Subject Code: 07101102Time: 1		Date: 28-11-2017 Time: 10.00am to 01.00 pm Total Marks: 70		
Instru	ctions:			
	1. All questions are mandatory.			
2. Figures to the right indicate full marks.				
	w Diagram wherever necessary.			
4. Write sections – A, sections – B on separate answer sheets.				
SECTION – A				
Q.1	Describe in detail transport of oxygen	(15)		
2.1	OR	(10)		
Q.1	Describe in detail mechanism of pulmonary ventilation	(15)		
-	Write Short Notes (any three)	(15)		
(a)	Erythropoiesis	(10)		
(u) (b)	Cardiac output			
(c)	Myasthenia Gravis			
(c) (d)	Functions of Gastric Juice			
• •	Multiple Choice Question (each 1 Mark)	(05)		
1	Myelin sheath in peripheral nerve is formed by:			
a.	Astrocytes			
и. b.	Mueller's cells			
с.	Schwann cells			
d.	Oligodenddrogliocytes			
2	The T-tubules of cardiac muscle are rich in:			
- a.	Sodium			
b.	Potassium			
с.	Calcium			
d.	Magnesium			
3.	The longest neuron present in our body:			
a.	Corticospinal tract neuron			
b.	Corticonuclear			
с.	Reticulospinal			
d.	Neurons of Cerebellum			
4	CSF is mainly produced by:			
a.	Ependymal			
b.	Choroid plexus			
c.	Arachnoid granulation			
d.	Blood brain barrier			
5	Blood ejected into pulmonary and systemic circulation during rapid ej	jection phase is:		
a.	50-55%			
b.	65-70%			
c.	85-90%			
d	100%			

d. 100%

Q.1	Describe briefly functions of Hypothalamus OR	(15)
Q.1	Describe briefly functions of Basal ganglia	(15)
Q.2	Write Short Notes (3 out of 4) (5 Marks each)	(15)
(a)	Functions of Growth hormone	(10)
(b)	Micturition reflex	
(c)	Visceral Pain	
(d)	Menstrual Cycle	
	Multiple Choice Question (each 1 Mark)	(05)
1	Substance necessary for complete oxidation of pyruvic acid and lactic acid in a	
	nerve:	
a.	Vitamin B ₁	
b.	Vitamin B ₆	
c.	Vitamin B ₁₂	
d.	Folic acid	
2	Sarcomere refers to the portion of myofibril between:	
a.	A and Z band	
b.	Z line and A band	
c.	Two adjacent Z line	
d.	A and I band	
3	Motor planning and programming is done by all of the following except:	
a.	Basal ganglia	
b.	Hippocampus	
c.	Supplementary motor area	
d.	Neocerebellum	
4	Spinothalamic tract transmit all the following sensations except:	
a.	Proprioception	
b.	Pain	
c.	Temperature	
d.	Touch	
5	Which of the following is normally not excreted in urine?	
a.	Uric acid	
b.	Chloride ion	
c.	Glucose	
d.	Creatinine	