Seat No:	Enrollment No:
Seat No:	Enronnent no:

PARUL UNIVERSITY **FACULTY OF PHARMACY**

B. Pharm. Winter 2018 - 19 Examination

Semester: 1 Date: 10/12/2018

Subject Code: BP101T Time: 10:00am to 1:00pm

Subject Name: Human Anatomy and Physiology I- Theory Total Marks: 75

T 4	4 •	
Instr	11 <i>0</i> †1 <i>0</i>	mc.
TH5t1	ucu	,,,,,

- 1. Figures to the right indicate maximum marks.
- 2

	lake suitable assumptions wherever necessary.		
Q.1	Multiple Choice Questions (MCQs) (1 Mark Each)		(20)
1.	is known as Power House of cell.		
	a) Mitochondria	b) Cell membrane	
	c) Golgi complex	d) Nucleus	
2.	Blood istissue		
	a) Epithelial	b) Muscular	
	c) Connective	d) Nervous	
3.	If blood plasma contains anti-B antibody, as per ABO	blood group system, the blood group is	
	a) O positive	b) A positive	
	c) O negative	d) None of above	
4.	Lateral means		
	a) Above midline	b) Below midline	
	c) Farther to midline	d) None of the above	
5.	is agranular leukocyte		
	a) Neutrophil	b) Basophil	
	c) Eosinophil	d) Lymphocyte	
6.	Scapula istype of bone		
	a) Flat	b) Long	
	c) Irregular	d) Short	
7.	In Heart, Tricuspid valve is located between		
	 a) Right atrium and right ventricle 	b) Left atrium and left ventricle	
	c) Right atrium and left ventricle	d) Left atrium and right ventricle	
8.	is NOT fiber of connective tissue		
	a) Collagen fiber	b) Reticular fiber	
	c)Elastic fiber	d) Rubber Fiber	
9.	is middle ear bone		
	a) Sternum bone	b) Temporal bone	
	c) Incus bone	d) Ethmoid bone	
10.	The normal life span of erythrocytes is about		
	(a) 80 days	(b) 110 days	
	(c) 90 days	(d) 120 days	
11.	Normally human skeleton contains axial bones	i.	
	a) 80	b) 206	
	c) 126	d) 213	
12.	Ball and socket joint isjoint.		
	a) Suture	b) Fibrous	
	c) Synovial	d) None of the above	
13.	X (10 th) cranial nerve is		
	a) Facial	b) Vagus	
	c) Hypoglossal	d) Trigeminal	
14.	Longest bone of human body is		
	a) Occipital bone	b) Humerus bone	
	c) Clavicle bone	d) Femur bone	

15.	. When bone marrow produces large abnormal RBCs due to inadequate folic acid and Vit B ₁₂ is known				
	as				
	a) Iron-deficiency anaemia	b) Sickle cell anaemia			
	c) Megaloblastic anaemia	d) None of the above			
16.	Inner most layer of heart wall is				
	a) Endocardium	b) Myocardium			
	c) Pericardium	d) None of the above			
17.	Olfaction means				
	a) Sense of smell	b) Sense of taste			
	c) Sense of vision	d) None of the above			
18.	White pulp of spleen parenchyma is				
	a) Lymphatic tissue	b) Blood Vessels			
	c) Both (a) & (b)	d) None of the above			
19.	Breakdown of bone extracellular matrix is call	rried out by			
	a) Osteocytes	b) Osteoclast			
	c) Osteogenic cells	d) Osteoblast			
20.	A partial fracture in which one side of the bo	one is broken and the other side bends			
	a) Comminuted	b) Open			
	c) Greenstick	d) None of the above			
Q.2	Long Answers (any 2 out of 3) (10 Mark Ea	ach)	(20)		
1.	Draw labeled diagram of eye and explain phy	ysiology of vision.			
2.	Define Stroke volume and Cardiac output and	Explain Cardiac cycle in detail.			
3.	Explain cell cycle and describe mitosis and m	neiosis separately.			
Q.3	Short Answers (any 7 out of 9) (5 Mark Eac	th)	(35)		
1.	Write down composition and function of bloc	od .			
2.	Define feedback system and describe negative	e feedback system with example.			
3.	Write down extrinsic and intrinsic pathways	of blood clotting.			
4.	Draw labeled diagram of cell and write in sho	ort about mitochondria.			
5.	Write down difference between sympathetic s	system and parasympathetic system			
6.	Write a note on Electrocardiogram (ECG)				
7.	Draw labeled diagram of skin and enlist types	s of cell junction			
8.	Define the terms. (i) Long bone (ii) Short bone	e (iii)Flat bone (iv)irregular bone (v)Sesamoid bone			
9.	Write a note on coronary blood circulation				