## B. Pharm. First Semester (New)

## 35301 : BP 101 T - Human Anatomy and Physiology - I

P. Pages: 2 Time: Three Hours			. 1		<b>AU - 0700</b> Max. Marks : 75		
1.	Notes :	1. 2. 3. 4. CQ	Illustrate your answer necessary with the help of neat sketches. All questions are compulsory. Use of pen Blue/Black ink/refill only for writing the answer book. Solve all questions.				
	1)	~					
		a) c)	35°A 75°A	b) d)	20°A 100°A		
	2)	Sm a) c)	nooth Endoplasmic reticulu Steroids Carbohydrates	m is well ( b) d)	developed in the cells which synthesize.  Proteins  All of these		
	3)	Tha)	e clavicle articulates with - Acromion process Acetabulum cavity	the b) d)	scapula. Glenoid cavity Ball and socket joint.		
٠	4)	Elta) c)	oow joint is an example of Hinge joint Ball and socket joint	b) d)	Gliding joint Pivot joint		
	5)	In l a) c)	human beings a typical ner Bipolar Multipolar	ve cell is b) d)	Apolar Pseudounipolar		
	6)	Tha)	e membranous labyrinth is Perilymph Cerebrospinal fluid	surrounde b) d)	d by a fluid called. Endolymph Vitreous humor		
	7)		nallest cranial nerve at the b Trigeminal Ophthalmic		Abducens Trochlear		
	8)	Thea)	e number of spinal nerves i 31 12	n man is b) d)	62 24		
	9)	Ov a) c)	erproduction at aqueous hu Astimatism Macula lutea	mour resu b) d)	Ilt in Fovea centralis Glaucoma		
	10	) Cra a) c)	anium protects the brain is 9 Bones 28 bones	made up o b) d)	18 bones 8 Bones		
	11	) Blo a) c)	ood platelets release Fibrinogen Hemoglobin	b) d)	Prothrombin Thromboplastin		

## www.sgbauonline.com

12)	Hora)	w many cardi <mark>ac cycles are pe</mark> rfo 72 76	b) d)	per minute in humans. 29 82					
13)		man Heart is derived from Ectoderm Endoderm	b) d)	Mesoderm Both 1 and 3					
14)	Systemic circulation of oxygenated blood starts from.  a) Right Atrium b) Left Atrium c) Left ventricle d) Right ventricle								
15)	a)	e duration of the ventricular dias 0.3 sec. 0.4 sec.	stole is b) d)	normal cardiac cycle is 0.5 sec. 0.7 sec.					
16)	a)	rthropolesis starts in Red bone marrow Liver	b) d)	Kidney Spleen					
17)		e joint between the carpel Bones Gliding joints Saddle joints	are. b) d)	Hinge joints Pivot joints					
18)	a)	tic Nerve is a 2 <sup>td</sup> cranial nerve 12 <sup>th</sup> cranial nerve	b) d)	6 <sup>th</sup> cranial nerve 3 <sup>rd</sup> cranial nerve					
19)	Pro a) c)	tein present is plasma involved Albumin Globulin	in coa b) d)	gulation is Fibrinogen Collagen					
20)		allest bone in Ear is Malleus Steps	b) d)	Incus Tassal					
Ans	wer	two out of three.							
1)			crania	al nerves <b>OR</b> Structure of human eye.	10				
2)	Dra	w the diagram of Heart? Descri	be in c	letail the structure of Heart.	10				
3)	Des	scribe the physiology of muscle	contra	ction.	10				
Solv 1)	ve Seven out of Nine.  5x7=35  Write the structure and function of Golgi bodies and mitochondria.								
2)	Explain the structure and function of sweat gland.								
3)	Explain the physiology of vision.								
4)	What is Blood pressure? How it is regulated.								
5)	Differentiate between Artery and vein.								
6)	Write the mechanism of co-agulation.								
7)	Explain the normal Electrocardiogram.								
8)	Write the significance of Rh factor in transfusions of Blood & blood group.								
9)	Explain the pulmonary circulation of Blood.								
	rk yk								

AU - 0700

2.

3.