Reg. No.								
----------	--	--	--	--	--	--	--	--

MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. YOGA THERAPY DEGREE EXAMINATION – MARCH 2021 SUBJECT: MYT 507 - PHYSIOLOGY

Saturday, March 27, 2021

Tin	ne: 10	:00 – 12:30 Hrs.		Saturda	,		.,, 2021		Max. Marks: 50
1.	An	swer the followin	ıg mı	ıltiple choice	e que	stions	s:		
1A.		Which of the following part of the brain is responsible for planning movements?							and programming of
	i)	Cerebrum	ii)	Hypothalai	mus	iii)	Medulla oblon	gata	iv) Basal Ganglia
1B.	The	functions of a Tl	nromb	ocyte is all o	of the	belov	v except		
	i)	Clot retraction	ii)	Haemostas	sis	iii)	Phagocytosis	iv)	Anti-allergic
1C.	Ар	erson with 'O' ne	gativ	e blood grouj	p will	be ha	aving the follow	ing ag	glutinins in plasma
	i)	Anti B only	ii)	No agglutii	nins	iii)	Anti A only	iv)	Anti A & Anti B
1D.	The	normal value of	Glom	erular Filtrati	ion R	ate is			
	i)	75ml/min	ii)	125ml/min		iii)	175ml/min	iv)	225ml/min
1E.	Who	en the muscle cor	itracts	3					
	i)	, , , , , , , , , , , , , , , , , , ,			ii)	A band shorten	IS		
	iii)	I band expands				iv) Two adjacent Z lines			move closer
1F.	The	condition Diabet			to				
	i)	, , , , , , , , , , , , , , , , , , , ,			ii)	Hypersecretion			
	iii)	Hypersecretion	of Va	sopressein		iv)	Hyposecretion	of AD	H
1G.	Und	er physiological o	condit	ions, the ultra	a-filtı	rate w	vill not consist of	f the fo	ollowing
	i)	Sodium ii)				Urea			
1H.	The	'P' wave of ECG	is du	e to				-	
	i)) Ventricular repolarization			ii)	Atrial repolariz			
	iii)	Atrial depolariza	ation			iv)	Ventricular dep	olariza	ation
1 I.	The	The kidneys do not secrete which of the following hormones?							
	i)	Renin					Erythropoietin		
	iii)	Anti Diuretic Ho	rmon	ie		iv)	1, 25 Dihydroch	nolecal	ciferol

- 1J. Color blindness is due to defect in
 - i) Cones
- ii) Rods
- iii) Retina

iv) Rodopsin

 $(1 \text{ mark} \times 10 = 010 \text{ marks})$

2. Answer the following:

- 2A. Name any two common defects of image formation and give their correction.
- 2B. List any two ascending tracts with one function of each.
- 2C. List four functions of the large intestine.
- 2D. Name the four types of plasma proteins and give one function each.
- 2E. List four actions of Testosterone hormone in males.

 $(2 \text{ marks} \times 5 = 10 \text{ marks})$

3. Write short notes of the following:

- 3A. Functions of Hypothalamus.
- 3B. Hormones regulating Calcium metabolism.
- 3C. Types of Hypoxia and its causes.
- 3D. Factors maintaining cardiac output.
- 3E. The events occurring at Neuro Muscular Junction on arrival of a Nerve Action Potential.
- 3F. Composition and functions of saliva.

 $(5 \text{ marks} \times 6 = 30 \text{ marks})$