Sl.No. M21106 Course Code: 2740106/27417104

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM (Deemed to be University)

B.OPTOMETRY DEGREE EXAMINATION – September 2021 First Year

GENERAL PHYSIOLOGY AND OCULAR PHYSIOLOGY

Time: Three hours I Choose the best answer		Maximum: 80 marks (10 x 1 = 10)
	Congulation process	(10 X 1 - 10)
1. The ion necessary for the		
a) Ca	b) Mg	
c) FE	d) PO ₄	
2. The power house of cell		
a) Lysozomes	b) Mitochondria.	
c) Nucleus	d) Ribosomes	
· ·	,	
3. Which one is not a granul	-	
a)Lymphocyte	b) Neutrophil	
c)Eosinophil	d) Basophil	
4. Hormones for milk ejecti	on	
a)Vasopressin	b) FSH	
c) Oxytosin	d) LH	
c) Oxytosiii	u) LII	
5. Which one is not a protein	n digestive enzyme.	
a) Trypsin	b) Chymotrypsin	
c) Carboxy peptidase	d) Pancreatic amylase.	
	1	
6. Night blindness is caused	-	
a) Myopia	b) Hypermeteropia	
c) Deficiency of Vitamin	A d) Dıplopıa.	
7. The nuero transmitter of r	neuromuscular junction is	
a) GABA	b) Acetylcholine	
c) Adrenaline	d) Nor adrenaline	
c) Herenamie	d) 1101 defendine	
8. Photosensitive pigment of	Frod cells is	
a) Rhodopsin	b) Iodosin	
c) Cynapsin	d) Porphyropsin	
9. Bluish discoloration of sk	in and mucous mambrana	
a) Cyanosis		
′ •	b) Hypoxia	
c) Dyspnea	d) Asphyxia	
10. Gland with both endocri	ne and exocrine function	
a) Thyroid gland	b) Pancreas	
a, myrona grana	oj i ancicas	

c) Anterior pituitary d) Adrenal cortex

II State whether the following statements are TRUE or FALSE	$(10 \times 1 = 10)$
 Erythropoietin is produced by kidneys. Myasthenia gravis is a endocrine disorder. Peristalsis is a type of gastro intestinal movement. Anterior pituitary secrets hormone oxytosin. Visual acuity for near vision is tested using Snellen's chart Glucagon elevates blood glucose level. Haemophilia is a bleeding disorder. In myopia near vision is normal but for point is not infinite Second heart sound is due to closure of semilunar valve. Perception of two images of single object is called binocul 	÷.
III Fill in the blanks:	$(10 \times 1 = 10)$
 is a natural anticoagulant. Endoplasmic reticulum in muscle is called as The process of swallowing food is called is the structural and functional unit of kidney. Adrenal medullary hormones are and Electrical activity of retina is recorded by is permanent contraception in male. is the phase make of heart. The photosensitive pigment of rod cells is Vision using two eye with over lopping fields of view is contracted. 	alled
IV Write any FIVE answers of the following:	$(5 \times 6 = 30)$
 Glaucoma. Effect of lerion in optic pathway. Hypoxia. Presbyopia. Movements of GIT Electrocardiogram Thyroid gland 	
V Write any TWO essays of the following:	$(2 \times 10 = 20)$
 Draw and write about the structure and functions of Rods a Binocular single vision – grades, tents and abnormalities. Give and account of accommodation and add a note on presonant account. 	
