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MBBS	: Physiology Paper 1 Part 1.	ABVMUUP	Paper Code: 211 11 30
Q1. De	efine the Immunity. Explain the physic esponse. Add a note on cytokines.	ology of humoral and	Cell-mediated Immune (15+5)
Q2. W	rite short notes on :-		
	Primary and Secondary Active Trans	port C. Vision	defundant Scholl
b)		2001000	(5)
c)	Neuromuscular Junction		(5)
d)			(5)
	Multiple choice questions  Erythropoietin level are increased by		ies 1 mark: Total 10 mark
u.	A) \pm (B) \pm (B) \pm (B)	C) 1PO2	D) LPCO2
b.	Most diffusible ion in excitable tissu	e is:	
	A) Sodium. B) Potassium.	C) Phosphate	D) Chloride
c.	Movement of substances prevented a A) Zona adherens B) Zona occlude		
d.	Repolarization is due to opening of v A) Na. B) HCO3.	which channels: C) Ca.	D) Cl
e.	Type C nerve fibre are;		
-	A) Sensory B) Motor.	C) Mixed.	D) Any of above
f.	Nissel bodies in neuron are:  A) Golgi apparatus B) Endoplasmic	reticulum C) Mito	echondria D) Lysosome
g.	Active tension in muscle depends on  A) Number of muscle fibres  C). Aerobic capacity of muscle	B) Number of	of motor units recruited muscle fibre
h.	In cardiac muscle ,T tubules are prese A) Z lines. B) A lines	nt at : C) I lines	D) A Time
٠.	G. II	-/	D) A-I junction
i.	Cell motility is due to protein:  A) Motilin  B) Tubulin	C) Laminin	D) 77
A	Fauilibrium potential 6		D) Tactilin
j.	A Gibbbs -Donnnan equilibrium	culated by using:	
1	C) Goldman equation.		B) Nernst equation
?7 Jan	2022	D)	Donnan equilibrium

_	Tryslology Paper 1 Part Z.	ABVIMUUP	Paper Code: 211 12 3
Questi	on 1: Explain the mechanism of Ho	Lette ut du	
	on 1: Explain the mechanism of HCL syn Add a note on Acid peptic disease	thesis and secretion with well	labelled diagram.
	and to the property of the disease	2.	(15+ 5 marks)
Questi	on 2: Write short notes on-		(5 marks each)
a)	Glomerular Filtration Rate (GFR).		(5 marks each)
b)			
c)			
d)	Endocrine Functions of Kidney		
Questi	on 3: MCQ		
	Slow waves constituting the basal elect	Each question carries 1 mark:	total 10 marks)
,	At Are hyperpolarized by stretc	h ACh and section	
	polarized by stretc	ii, Acri, and gastrin.	
	B) Occur at a consistent rate th	roughout the GI tract.	
	<ul> <li>C) Are undulations in the restin</li> </ul>	g membrane potential resulti	ng from Na+/K+ ATPase activity.
b)	O) Are absent in the colon		
0)	A) Motilin ABCCK		
c)	A) Motilin (B) CCK Most digestion occurs in	C) Somatostatin	D) Secretin
-1		ach _C) The small intestine	D) The large intestine
	Ny The Model By the stolla	acti Carine sitiali intestine	b) the large intestine
d)	Micelles increase the absorption of fa	it by .	
	Al Binding the lipase enzyme ar	nd holding it on the surface of	the lipid emulsion droplet.
	B) Keeping the insoluble produ	cts of fat digestion in small agg	regates
		across the intestinal epitheliu	m .
	D) Facilitating absorption into t		" AB
		(	6.2
e)	In a normal person GFR at resting con		N-9
	<ul> <li>A) 150 ml/min BB) 90 ml/</li> </ul>	/min C) 60 ml/min	DY125 ml/min
	Maximum absorption of water takes	place in	
f)	Loop of Henle	B) Distal convo	oluted tubule
	Ceollecting duct	D) Proximal	convoluted tubule
			andullan, gradient
g)	Substance involved in countercurrent	rea C) NaCl, Urea	D) NaCl
	A) NaCl, Urea, Water	orea Cy Naci, orea	
h)	The principal site of acidification of un	rine is	
",	AProximal convoluted tubule	B) Colle	cting duct
	C)Loop of Henle	D) Distal	convoluted tubule
	Stability of alveoli is maintained by?		
i)	. Mlung compliance.	B) Negative int	rapleural pressure
	C)Increase in alveolar surface area	by the surfactant. D) Res	idual air in alveoli
i)	Spontaneous rhythmic respiration init	tiated in:	

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A) Pre-Botzinger complex

C)Pneumotaxic center

Max marks 50

B) Dorsal respiratory group

D) Apneustic center