## BACHELOR OF CLINICAL OPTOMETRY 1-B. Optometry Sem-1: WINTER: 2021 SUBJECT: HUMAN BOLOGY

**Day**: Saturday Time: 10:00 AM-01:00 PM Date 5/3/2022 W-826-2021 Max. Marks: 70 N.B. 1) There are **THREE** sections as: Section A – Objective types questions 20 marks Section B – Long questions 20 marks Section C – Short questions 30 marks 2) Section A is given on SEPARATE sheet has to be answered on the same sheet. Section B has 3 long questions and ANY TWO questions have to be answered on 3) the **SEPARATE** answerbook. Section C has short questions and ANY FIVE questions have to be answered on 4) **SEPARATE** answerbook. Draw neat and labelled diagram WHEREVER necessary. 5) **SECTION - B** Q.1 Attempt ANY TWO of the following: (20)Name the cells in the blood. Describe functions of any one. a) Describe in detail about nervous regulation of respiration. b) What is synapse? Describe its properties. c) SECTION - C Q.2 Write short note on ANY FIVE of the following: (30)Salivary gland a) b) Cough reflex Post pituitary c) Functions of kidney d)

Cell organelle

Feedback mechanism

**e**)

f)

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Max. Marks: —

Note	Se sh	ection A is given on a separate sheet and has to be answere nould be completed within first 30 minutes of starting of exection A only will be collected by the supervisor		
Seat	No. :	:	Date:	
			Day :	
			Max. Marks :	20
		SECTION – A	1	
Q.1	Fill	in the blanks:		(10)
	a)	Rough endoplasmic reticulum is site for synthesis of		
	b)	Normal blood pH is		
	c)	Stuart prower factor is factor		
	d)	Time duration of normal cardiac cycle is		
	e)	There are pairs of cranial nerves.		
	f)	Melatonin is produced by gland.		
	g)	immunoglobulin is present in the salivary secre	etions.	
	h)	is the potent stimulus for peripheral chemorece	eptors.	
	i)	In ECG T wave is formed due to		
	j)	Surface tension lowering substance is alveoli is	-,	
Q.2	Stat	te True or False		(05)
	a)	Oxytocin is produced by posterior pituitary gland.		
	<b>b</b> )	Lifespan of RBCS is 120 days.		
	c)	TSH is secreted by thyroid gland.		
	d)	Total numbers of bones in adult are 206.		
	e)	Respiratory centres are located in medulla and pons.		

## Q.3 Match the following

1)	Vitamin A	<b>A</b> )	125 ml / min
2)	Glomerular filtration rate	<b>B</b> )	300-500 ml
3)	WBC	<b>C</b> )	Diabetes insipidus
4)	ADH	D)	Retinol
5)	Normal tidal volume	E)	15 days

Marks Obtained:	Signature of Invigilator :
	Signature of Examiner:

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