## Q.P. Code :01223

	[Time: Three Hours]	[Niarks:8
N.B:	Please check whether you have got the right question paper.  1. All question are compulsory.  2. Figure to the right indicate full marks.  3. Draw neat labelled diagrams wherever necessary.	
(a)		(16)
i.	Draw a neat labelled diagram of a neuron.	
ii.	Explain the terms: a) Inspiratory capacity	
	b) Alveolar ventilation rate	5
iii.	Name the cells of the anterior pituitary and their secretions.	
iv.	What is hypertrophy?	
٧.	Comment on 'Pituitary dwarfism.'	
vi.	Discuss the structure of taste bud	
vii.	Describe clinical symptoms of Parkinson's disease.	
viii.	Define: a) Respiratory acidosis	
	b) Respiratory alkalosis	
(b)	Answer the following:	(4)
i.	Name the photo receptors and photo pigments.	
ii.	The two types of cholinergic receptors are and	
iji	Give the function of alveoli.	
, vi.	The posterior pituitary releases the hormones and	
(a)	Answer the following:	
	Discuss the causes of cell injury.	(4)
30 pt	OR	
	Explain the mechanisms of Apoptosis.	
Sojio Sojio	Give the etiology of cancer.	(4)
	OR	
	Discuss classification of tumors.	
1. 100 20		(4)
1/2/0	//O. /S. V. C. (C. T).	
3 6	U.V. radiation	
	(a) i. ii. iv. v. vi. vii. viii. (b) i. ii. ii. (i) i. ii. ii.	N.B:  1. All question are compulsory. 2. Figure to the right indicate full marks. 3. Draw neat labelled diagrams wherever necessary.  (a) Answer the following: i. Draw a neat labelled diagram of a neuron. ii. Explain the terms:

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Q.3	(a)	Answer the following (any two):	(8)
	i.	Describe the formation and function of cerebrospinal fluid.	6 0 0 K
	ii.	With the help of a diagram explain the structure of simple reflex arc.	3 3 5 5
	iii.	Discuss the phases of nerve action potential.	
	(b)	Write short note on (any one):	(4)
	i.	Depression	
	ii.	Alzheimer's disease	Signal Signal
Q.4	(a)	Answer the following (any two):	ੇ (8)
	i.	Explain physiology of respiration.	
	ii.	Explain the structure of the bronchial tree. Draw a diagram of the same.	
	iii.	Explain mechanism of voice production.	
Q.4	(b)	Write a short note on (any one):	(4)
	i.	Bronchitis Property of the Pro	
	ii.	Pneumonia	
Q.5	(a)	Answer the following (any two):	(8)
	i.	Explain calcium homeostasis.	
	ii.	Describe the physiological effects of glucocorticoids and mineralocorticoids.	
	iii.	How is blood glucose level regulated?	
Q.5	(b)	Write a short note on (any one):	(4)
		Diabetes insipidus	
	) ji.,	Grave's disease	
Q.6	(a)	Answer the following (any two):	(8)
	20,150	Describe the structure of retina.	
	S) jis	Explain the functions of skin.	
	Oİİİ.	Discuss the physiology of hearing.	
Q.6	(b)	Answer the following (any one):	(4)
		Write a short note on autonomic ganglia.	
JON THE	ji.	Give the effect of acetyl choline and adrenaline on:	
25 ES . V.	10 D	1. Eye	
(4) (5) (6)	5,000	2. Bronchi	
33 43 43		3. Heart	
		4. Sweat gland	