2020

PHYSIOLOGY - HONOURS

THIRD PAPER

FULL MARKS-50

TIME - 2 HOURS

(Candidates are required to give their answers in their own words as per as practicable.)

Answer any 5.

1.	a) Describe the formation, circulation and functiob) What do you mean by blood brain barrier?	ns of Cerebrospinal fluid (CSF). (4+2+3)+1=10			
2.	a) Give an account of different nuclei of thalamus.				
	b) What is thalamic animal?	7+3=10			
3.	a) Describe with a neat diagram the origin, course, termination and functions of				
	Corticospinal tract.				
	b) What is comma tract of Schultz?	8+2=10			
4.	Write a short note (any 2)				
	i) Muscle spindle				
	ii) Meninges of brain				
	iii) Parkinson's disease				
	iv) Gate control theory of pain	5+5=10			
5.	a) Define inotropic receptor with suitable example.				
	b) Describe the structure and function of different types of muscarinic receptors. 4+6=10				
	a) Describe the principle of construction and uses of compound microscope.				
	b) What is meant by resolving power of microscope	e? (6+2)+2=10			
. a) What is Aquaporin?					
	b) Describe the role of kidney in renal regulation of acid-base balance. 2+8=10				

2+6+2=10

a) "Sensory receptor is a biological transducer" --- Explain.

c) What is Muller's law of specific nerve endings?

b) Describe the olfactory pathway with diagram.

6.

7.

8.