The West Bengal University of Health Sciences M.D. (Physiology) March-April 2020 Examination

Paper:		Full Marks: 100 Time: 3 Hours
	Attempt all questions	_
1. emioc	Enumerate different modes of transport across cell membrare cytosis?	ne. What is 8 + 2
2. techn	Describe the contributions of Bert Sakmann. Briefly explain ique and its uses.	$ \begin{array}{r} \text{patch clamp} \\ 3 + 4 + 3 \end{array} $
3.	What is Law of GUT? Explain in detail GUT-BRAIN axis.	2 + 8
4. of ior	State the Gibbs-Donnan equation. Describe Donnan effect ons. What is demarcation potential?	on distribution 4+4+2
5.	Discuss the Pathophysiology of peptic ulcer and drugs to troon Gastric Function tests.	eat. Add a $4 + 3 + 3$
6. chang	Narrate bruce protocol in Treadmill Test. Explain electrocages in myocardial infarction. What is cardiac reserve?	rdiographic $3 + 5 + 2$
7. size j	Explain in detail molecular basis of skeletal muscle contractorinciple?	tion. What is $7 + 3$
8.	Briefly discuss about Interleukins and Neuromodulators.	5 + 5
9. Expl	With a neat labelled diagram enumerate intercellul conneain connexin mutations.	ections. $7+3$
10. hype	Give an account of serpentine receptors. What happens in resensitivity?	denervation 5+5