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

Paper: III Full Marks: Time: 3 Ho	
Attempt all questions	
1. Explain the molecular basis of diabetic microvascular complications.	10
 Describe the nuclei, connectios and functions of the Basal Ganglia. Aca a note on Parkinsonism with physiological principles of treatment. 	dd + 3
3. Elaborate on Autonomic function tests. What happens in autonomic insufficiency?	+ 2
4. Explain in brief "skin as a neuroendocrine organ".	10
5. Write a note on phototransduction and processing of visual information the retina.	on in 10
6. Describe in detail signal transduction pathways. Give examples of GP drug targets .	PCR 3 + 2
7. Briefly describe the disorders of sex differentiation.	10
8. Give an account of the neurological changes that our following hemisection of the spinal cord. Why urinary catheterization is required in sp cord injuries?	oinal 10
9. List and explain theories of hearing. What is impedance matching?	6 + 4
10. Discuss the role of vestibular system in maintenance of posture and equilibrium.	10