

**The West Bengal University of Health Sciences**  
**M.D. (General Medicine) July - August, 2021 Examination**

Paper: I

Full Marks: 100  
Time: 3 Hours*Attempt all questions*

1. Draw the important structures seen in an axial section of the brain stem at the level of Medulla. Briefly describe the clinical features of Lateral Medullary Syndrome, mentioning the structures responsible. 4+6
2. How will you diagnose common respiratory abnormalities using different parameters in a Lung Function Test report? 10
3. What is Cyanotic Spell? Describe the mechanisms of how squatting becomes beneficial in such a spell. Enumerate the conditions which may present with a cyanotic spell. 1+4+5
4. Give an overview of the Coronary Circulation. Briefly describe how ECG can be used to localise the site of culprit vessel occlusion. 4+6
5. A 65-year-old gentleman presents to you with multiple ecchymoses and a significant muscle bleed. How would you approach to diagnose and manage him? 6+4
6. Classify Lupus Nephritis. Briefly outline the management of Proliferative Lupus Nephritis. 5+5
7. Briefly outline the anatomical course of the 7th Cranial Nerve. A 42-year-old man has presented with a LMN type of 7th Cranial Nerve palsy of right side. How will you clinically localise the site of lesion? 5+5
8. Briefly describe the role of Gut Microbiota in Health. How altered Gut Microbiota contributes to the development of different Metabolic Diseases? 4+6
9. What are the types of Renal Tubular Acidosis? Briefly outline the etiology, basic pathophysiology and manifestations of the different types of Renal Tubular Acidosis. 2+2+3+3
10. Briefly describe the Renin Angiotensin Aldosterone System. Enumerate the causes of Hypertension with Hypokalemia. Briefly outline the diagnostic work up of a 21-year-old male with hypertension, muscle weakness and persistent hypokalemia. 3+3+4