

**The West Bengal University of Health Sciences**  
**M.D. (General Medicine) May - June, 2022 Examination**

Paper: I

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

1. Draw a schematic diagram with markings of cerebral venous sinuses. Discuss etiology, clinical feature and management of Cerebral venous thrombosis. 3+7
2. Describe embryological origin of pituitary gland. How will you investigate a case of panhypopituitarism ? 3+7
3. Describe physiology of platelet function. Discuss diagnostic evaluation and management of functional disorders of platelets. 4+6
4. Describe with a schematic diagram the alveolo-capillary membrane. How will you assess functions of pulmonary interstitium ? 5+5
5. Discuss electrophysiological mechanisms and ECG features of supraventricular arrhythmias . 5+5
6. Write an overview on gut hormones in health and disease. 10
7. Discuss the mechanism of tubule glomerular feed back in maintaining sodium balance and its clinical implication. 7+3
8. Describe through a flow chart the physiology of cholesterol transport. How will you assess risk of major cardiovascular adverse events. 5+5
9. Mention mechanisms of antimicrobial drug resistance. Discuss measures to prevent emergence of antimicrobial resistance in clinical setting . 4+6
10. Describe in brief the physiology of bone remodeling. Discuss treatment modalities of osteoporosis. 5+5