



DM-9061

Seat No. _____

M. D. (Branch) (Sem. VIII) (CBCS) Examination

March – 2022

Physiology : Paper - II

Time : 3 Hours]

[Total Marks : 100

- Instructions :** (1) All questions are compulsory.
(2) Write ligibly and to the point.

- 1 Discuss the ultrastructure of respiratory membrane and factors affecting the rate of gas diffusion through it. Add a note on ventilation-perfusion imbalance. **20**
- 2 Describe the various body defence mechanisms of our body in relation to blood. **20**
- 3 Discuss the role of kidney in acid-base balance. **20**
- 4 Describe the rhythmical excitation of heart with detailed note on cardiac arrhythmias and their ECG interpretation. **20**
- 5 What is the mechanism of HCL secretion in stomach and its regulation? Discuss its applied significance. **20**
