

The West Bengal University of Health Sciences
M.S (Ophthalmology) May - June, 2022 Examination

Paper: I**Full Marks: 100****Time: 3 hours**

Attempt all questions

1. Describe with a diagram the blood supply of optic nerve head. 10
2. Describe the biomechanics of cornea and its clinical application. 10
3. Describe in brief the mechanism of drainage of tear. 10
4. Describe with a diagram the optical principle of indirect ophthalmoscope. 10
5. Describe briefly light adaptation and dark adaptation of eye. 5+5
6. Describe the optical system of normal eye. What is reduced eye ? 7+3
7. Classify anti glaucoma medication and briefly describe the mechanism of action of each class of drugs. 10
8. Describe briefly the different types of electro retinogram (ERG). Describe components of ERG. 6+4
9. Describe the laws governing ocular motility. 10
10. Describe in brief the mechanism of normal retinal adhesion between retinal pigment epithelium and sensory retina. 10