

REG. NO: 16PhD1601

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Time : 3 Hrs.

Pre. Ph.D. Examination June-2017

[Max. Marks: 100]

Ophthalmology
Paper – II
Area of Specialization
Q.P Code: 4202

Your answers should be specific to the questions asked.
Draw neat labelled diagrams wherever necessary.

LONG ESSAY

10 X 10 = 100 Marks

1. Describe the different type of nucleus of the lens and its function. Add a note on cortex of the lens.
2. Describe the normal composition of crystalline lens.
3. Describe the lens protein concentration with aging.
4. Explain the formation of tear film. Add a note on its biochemical composition and clinical importance.
5. Discuss the function of fluoride and add a note on toxic manifestation.
6. Describe the risk factors and epidemiology of cataract.
7. Describe the exogenous exposure of hydrogen fluoride on human health.
8. Discuss the total antioxidant status and describe the method of assessment.
9. Describe the mechanism of cataract formation.
10. Discuss the role of oxidative stress.

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