

[LL 1017]

OCTOBER 2017

Sub. Code: 1617

**M. OPTOM EXAMS
SECOND YEAR
PAPER VII – APPLIED & CLINICAL OPTOMETRY**

Q.P. Code: 281617

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Amblyopia, definition investigations and treatment.
2. International and national bodies for occupational health and safety.

II. Write notes on: **(10 x 6 = 60)**

1. Role of optometrists in occupational safety.
2. Explain various chemical which are been seen in a general clinical practice and Mention the treatment methods for chemical eye injuries.
3. Visual Acuity measurement in children.
4. Problems with aphakic spectacles.
5. Write short note on Pelli-Robson Chart.
6. Write short note on spheroidal degeneration.
7. Protection against Visual Display Units.
8. Changes which occur with age in cornea.
9. Field changes in glaucoma.
10. Define APGAR score.

[LM 0518]

MAY 2018

Sub. Code: 1617

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SECOND YEAR
PAPER VII – APPLIED & CLINICAL OPTOMETRY**

Q.P. Code: 281617

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Measurement of visual acuity in children.
2. Write a note on occupational related diseases caused by-physical agents, chemical agents and biological agents.

II. Write notes on: **(10 x 6 = 60)**

1. Measurement of contrast sensitivity.
2. Correction of myopia of - 6 dioptries in a 20 year old.
3. National regulatory authorities for occupational health and safety.
4. Note on prevention of occupational diseases.
5. Brief note on gross motor, sensory motor milestone development in children.
6. Note on age related senile cataract.
7. Changes in eye after prolonged exposure to radiation.
8. Definition and investigations in child with amblyopia.
9. Brief note on contact lenses its material and types. Difference between rigid and soft contact lenses.
10. Bjerrum's tangent screen.

[LN 1018]

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Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Pathological changes with myopia and its assessment process.
2. Visual field changes in glaucoma and its assessment.

II. Write notes on: **(10 x 6 = 60)**

1. Explain visual acuity assessment in toddlers.
2. What are the optical correction possibilities for bed ridden aged patients?
3. Explain on the occupational hazard in glass industry.
4. Brief notes on factories act.
5. Explain any two-metal usage in industries and its ocular complications.
6. What are the changes in retina with ageing and explain on the assessment methods?
7. What are the visual requirements for locomotor drivers?
8. What the steps in sensory and motor assessment?
9. Explain on any two pesticides effect on the eye.
10. What are the signs of delayed development and relate it with ocular development?

[LP 1019]

OCTOBER 2019

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**M. OPTOM EXAMS
SECOND YEAR
PAPER VII – APPLIED & CLINICAL OPTOMETRY**

Q.P. Code: 281617

Time: Three hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 20 = 40)**

1. Visual developmental milestones, and signs of delayed development. Elaborate on structural abnormalities of the visual system in delayed development.
2. Step by step approach to the vision care process for occupations.

II. Write notes on: **(10 x 6 = 60)**

1. Myopia – types and management.
2. Management of amblyopia.
3. Age related structural changes in the eye.
4. Age related changes in visual functions.
5. Occupational hazards in glass and petrochemical industries.
6. Visual acuity charts in the pediatric population.
7. Assessment and management of Nystagmus.
8. Application of personal protective equipment in industries.
9. Evaluation of binocular vision status in children.
10. Workmen's compensation act.
