

B.Sc. in Optometry

[Time: 3 Hours]

[Max. Marks: 80]

VI SEMESTER

PAPER – I (Contact Lenses I)

QP CODE: 8640

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Stabilization techniques and fitting assessment of soft contact lens

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Calculation and finalizing soft contact lens parameters
3. Common handling instructions of contact lenses
4. Fitting philosophies for soft contact lenses
5. Differences between RGP vs SCL
6. Parameter selection for soft toric lens
7. Examination of contact lens fitting under slit lamp
8. Management of presbyopia with contact lenses
9. Care and maintenance of soft lenses
10. Indications and fitting consideration for therapeutic contact lenses

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. What are soft toric lenses?
12. What is a contact lens
13. Therapeutic contact lens uses
14. Indications for contact lens for pediatric age
15. Do's and don'ts of contact lenses
16. Complications of soft lenses
17. List rinsing agents
18. List different disinfecting agents
19. Post refractive surgery contact lens uses
20. Complications of therapeutic contact lenses
21. Specialty fitting of contact lens in aphakia

[Time: 3 Hours]**[Max. Marks: 80]****VI SEMESTER****PAPER – II (Sports Vision)****QP CODE: 8641**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions**10X1 = 10 Marks**

1. Designing sports vision training programs

Short Essays: (Any – 8)**5 X 8 = 40 Marks**

2. Equipments required for sports eye testing
3. Enlist visual skills
4. First aid for sports injuries
5. Blunt trauma to eye
6. Ocular trauma classification
7. Night myopia
8. Importance of glare reduction for sportsman
9. Vision needs for a Billiards player
10. Sports eyewear

Short Answers: (Any – 10)**3 X 10 = 30 Marks**

11. Dominant eye testing
12. Eye-hand coordination
13. Anticipation timing
14. Post trauma vision syndrome
15. Dynamic visual acuity
16. Visual skills for a cyclist
17. Swimming goggles
18. Peripheral vision for players
19. Accommodation for sportsman
20. Fusional reserve
21. Speed of recognition

VI SEMESTER**PAPER - III (Paediatrics and Geriatrics Optometry)****QP CODE: 8642**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

10X1 = 10 Marks**Long Questions**

1. Discuss Age related macular degeneration

Short Essays: (Any - 8)**5 X 8 = 40 Marks**

2. Central retinal vein occlusion
3. Worth four dot test
4. Tests of binocular single vision
5. Anatomy of lacrimal drainage system
6. Vitreous opacities
7. Causes of double vision
8. Tests of malingering
9. Cycloplegic refraction
10. Retinoblastoma

Short Answers: (Any - 10)**3 X 10 = 30 Marks**

11. Strums conoid
12. Arcus senilis
13. Occlusion therapy
14. Ectopia lentis
15. Components of hypermetropia
16. Effects of diabetes mellitus in crystalline lens
17. Lists of visual function tests
18. What is pseudomyopia
19. Post mydriatic test
20. Red green goggles
21. Extra ocular movements versions and ductions

[Time: 3 Hours]**[Max. Marks: 80]****VI SEMESTER****PAPER - IV (Occupational Optometry)****QP CODE: 8643**

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions**10X1 = 10 Marks**

1. Explain Electromagnetic Radiation and its effects in eye

Short Essays: (Any – 8)**5 X 8 = 40 Marks**

2. Explain the occupational environment?
3. Write about the most common hazards in the health care industries?
4. Explain the benefits of Industrial vision screening?
5. Prevention and protection of physical hazards
6. Write about visual standards in the railways
7. Modified Clinical Methods
8. Name artificial light sources and their advantages?
9. Explain the importance of patient education for contact lens wear at work
10. Explain color vision defects?

Short Answers: (Any – 10)**3 X 10 = 30 Marks**

11. Explain the prevention measures for psychosocial hazards
12. Luminous Intensity
13. Name the Non-Ionizing radiation?
14. Biological agent
15. Explain FM100 hues?
16. Explain about UV rays?
17. Occupational health
18. Name three guidelines to reduce the exposure of radiation?
19. Write a note on Workplace Safety
20. Explain about digital eye strain
21. Color Wheel