Dear Student,

There are four Tutor Marked Assignments (TMA) for BOS 007, BOS 008, BOS 009, BOS 010. **All these assignments are compulsory.** Please note that you have to score minimum of 50% marks in each assignment. The assignment carries a weightage of 30% toward the final evaluation in theory component. **Submission of assignments is pre-requisite** for appearing in term end theory examination for respective papers. All assignments should be submitted before 31st May 2009.

Please take note of the following points before writing your assignments.

- Use only foolscap size paper for writing your responses. Only hand written assignments will be accepted. Typed or printed copies of assignments will not be accepted.
- Tie all the pages after numbering them carefully.
- Write the question number with each answer and marks allotted.
- **All the questions are compulsory.**
- Each assignment will be evaluated out of 100 marks.
- Each assignment has two parts i.e. part ‘A’ and part ‘B’.
- Part ‘A’ of each assignment carries five questions and each question carries 10 marks.
- Part ‘B’ of each assignment carries ten short notes and each short note carries 5 marks.

**Suggestions for writing an assignment:**

Read the assignment carefully. Scan through the whole material of the course, answers may be linked within the blocks units. Draw a rough outline of your answers in your own words. Support your answer from your clinical experience. Make a logical order. Then write your answer neatly and submit. Give illustrations and tables wherever necessary. You must retain a Xerox copy of all these assignments. Do not copy from printed course material. Answer each assignment on separate sheet. On the first page of the assignment response sheet, write the course code, course title, assignment code, name of programme study centre (PSC) and the date of submission. Your enrolment number, name and full address should be mentioned on the first page. The first page of your response sheet should look like the format given.

<table>
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Please submit the assignments to the Programme In-charge of the Programme Study Centre allotted to you.
PART ‘A’

Answer the following questions: 5×10

1) Discuss the classification, clinical features and treatment of myopia.
2) What is aphakia? Discuss the signs and symptoms of aphakia.
3) What is binocular balancing? Why it is done? Explain any one method of binocular balancing.
4) Discuss the methods of measurement of accommodation.
5) Define visual acuity. What do you understand by 6/6 and 6/36? List the various methods of visual acuity testing for pediatric age group.

PART ‘B’

Write short notes on: 10×5

1) Spectacle magnification
2) Classification of Anisometropia.
3) Components of convergence.
4) Fogging technique
5) Advantages and disadvantages of use of auto refractor in Optometry practice.
6) Classification of Astigmatism.
7) Characteristics of a Retinoscopy reflex
8) Jacksons cross cylinder
9) Tests used to check contrast sensitivity.
10) Duochrome test
PART ‘A’

Answer the following questions: 

5×10

1. Describe in detail about the various lens coatings available in market.

2. Describe the various methods of manufacturing glass and plastic lenses.

3. Describe the various methods of measuring (inter pupillary distance) IPD.

4. Write the steps of fitting progressive addition lenses.

5. Describe the various faults in ophthalmic lenses.

PART ‘B’

Write short notes on: 

10×5

1. Advantages and Disadvantages of Antireflection coating.

2. Aspheric lens

3. High index lens

4. Geneva Lens Measure

5. Hand Neutralization.

6. Boxing system.

7. Frame front.

8. Effective power

9. Polycarbonate lens material

10. Types of bifocal
‘PART A’

Answer the following questions: 5×10

1. Describe the Duane’s syndrome and its types.
2. Describe the various investigations done in a case of paralytic squint.
3. Describe the use of synaptophore in orthoptic clinic.
4. Enlist the anomalies of binocular single vision. Explain any one of them
5. What is Nystagmus? Give the classification and management of nystagmus.

‘PART B’

Write short notes on: 10×5

1. Causes of Pseudo Strabismus
2. Grades of Binocular Vision
3. Cover Test
4. Bagolini Striated Glasses
5. Treatment of accommodative convergent squint
6. Third Nerve Palsy
7. Abnormal Retinal Correspondence
8. Difference between Ocular Torticollis and Ordinary Torticollis
9. Uses of prisms in management of squint
10. Treatment of amblyopia
PART ‘A’

Answer the following questions: (5×10)

1. Discuss the etiology, classification, clinical features and treatment of uveitis.
2. Enlist the various types of cataract. Describe preoperative investigations one should perform on a patient with mature senile cataract.
3. Enumerate the classification of conjunctivitis and discuss the clinical features and management of acute muco-purulent conjunctivitis.
4. Describe the etiology, signs, symptoms, and management of angle closure glaucoma.
5. Compare the diagnosis and management of bacterial, fungal and viral corneal ulcer.

‘PART B’

Write short notes on: (10×5)

1. Keratoconus
2. Spring Catarrhal
3. Entropion
4. Ptosis
5. Field defects of Glaucoma
6. Retinitis Pigmentosa
7. Eales Disease
8. Ocular manifestations of AIDS
9. Ocular signs of vitamin A deficiency
10. Congenital Cataract