

Third Year B.Sc Optometry Degree Regular/Supplementary Examinations
February 2021

Low Vision aid, Dispensing Optics and Mechanical Optics
(2016 Scheme)

Time: 2 hrs

Max marks: 40

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay **(10)**

1. Draw a neat and labelled diagram of a standard frame. Illustrate with diagram different types of nose bridge, temples and bends.

Short notes **(3x5=15)**

2. How do you measure inter pupillary distance.
3. Differentiate between coated and tinted lenses.
4. Briefly mention different types of non optical aids and their significance.

Answer briefly **(5x2=10)**

5. If a low vision patient reads 6/24 for the distance with his right eye, calculate his near correction.
6. What type of tint will benefit for the patient with albinism.
7. How does geometric centre and optic centre differes.
8. Transpose the following $-2.00 \times 10 / + 0.50 \times 100$ to spherocylinder form.
9. What do you know by ptosis crutches.

One word answer (State True/False) **(5x1= 5)**

10. Eccentric fixation is a natural phenomenon to adapt for patient with glaucoma.
11. Conture bend can be safely given to active sports personell.
12. Amsler grid can be performed for patient with macular oedema.
13. In spectacle frame bridge joins two eye size.
14. Patient reading 6/9 with central vision 10 degrees around the fixation can be considered low vision patient, according to WHO definition of low vision.
