

Q.P. Code: 323013

Reg. No.:.....

Third Year B.Sc Optometry Degree Supplementary Examinations May 2023

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. If a patient aged 10years is suffering from Oculocutaneous albinism with best corrected vision of 3/60 and 5/60 in RE & LE, what do you think he is in need of. How do you manage him with counseling, devices and filters

Short notes (3x5=15)

2. Explain the importance of Refractive index of a lens material.
3. What are the various optical devices that you know about. Write in brief about any two of them.
4. How do you measure IPD of a patient using Pupilometer

Answer briefly (5x2=10)

5. Explain the properties of a Titanium frame material.
6. How do you estimate an unknown lens power accurately.
7. What type of field defect is noted among patients suffering from Retinopathy of Prematurity.
8. What do you understand by "impairment".
9. Enumerate the rehabilitation methods used for kitchen training in a low vision patient

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

10. What is the difference between dome and stand magnifier.
11. What is non optical device used to put thread in the needle.
12. The marking 52 □ 18 on the temple of a frame indicates -----, ----- and -----
13. Refractive error must be checked in the frequency of every -----
14. Minimum visual field cut off value for better eye is ----- in low vision.
