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**B.Sc. (Hons.) IN OPTOMETRY AND
OPHTHALMIC TECHNIQUES (BSCHOT)**

Term-End Examination

June, 2018

**BOS-015 : OPTOMETRIC INSTRUMENTS AND
PROCEDURES**

Time : 3 hours

Maximum Marks : 70

*Note : Attempt any seven questions. Each question carries
10 marks.*

1. What is Jackson's Cross Cylinder (J.C.C.) ? 10
Explain the clinical uses of J.C.C.
2. (a) Enlist the types and limitations of
Keratometer ? 5+5=10
(b) Explain the procedure of Javal Schiotz
Keratometer.
3. (a) Describe the clinical uses of Perimetry. 5+5=10
(b) Differentiate between kinetic and static
perimetry.
4. (a) Describe the principles of Tonometry. 5+5=10
(b) Explain the procedure of Schiotz
Tonometry.
5. Describe the procedure and interpretation of the 10
Lees Chart.

6. Explain principle, function and the procedure of Maddox-Rod. 10
7. Describe the various methods of sterilisation used in the hospitals. 10
8. (a) What do you understand by Phacoemulsification? 5+5=10
(b) Describe the complications of Cataract Surgery.
9. (a) Explain the principle and components of ERG. 5+5=10
(b) Write about the clinical uses of ERG.
10. Describe the basic principle and the clinical uses of O.C.T. 10
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