

**FIRST YEAR M. OPTOM. : WINTER - 2018**  
**SUBJECT : SPECIALTY SUBJECT**

Day : Thursday  
Date : 24/01/2019

**W-2018-3738**

Time : 09.30 A.M. TO 11.30 A.M.  
Max. Marks : 50

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**N.B.:**

- 1) **Section – A** is of objective questions for total **20** marks.
  - 2) **Section – B** is of short questions for total **30** marks.
  - 3) Answers to both the sections should be written in **SEPARATE** answer books.
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**SECTION – A**

**Q.1** Fill in the blanks: **[20]**

- 1) In case of RSO palsy, head tilt will be \_\_\_\_\_ side.
- 2) If a patient has exophoria, the position of eye under cover will be \_\_\_\_\_.
- 3) Amsler's grid measures central \_\_\_\_\_ degrees of visual field.
- 4) Retinal rivalry occurs when \_\_\_\_\_ are presented to \_\_\_\_\_.
- 5) \_\_\_\_\_ clips are best used for over refraction in low vision patient.
- 6) The most effective way of removing lipid deposits from contact lenses is \_\_\_\_\_.
- 7) \_\_\_\_\_ is the most serious, sight threatening contact lens complication.
- 8) Panum's area is the area where \_\_\_\_\_.
- 9) The angle of anomaly represents the difference between \_\_\_\_\_ and \_\_\_\_\_.
- 10) When the angle of squint remains fairly constant in all the fields of gaze, the squint is said to be \_\_\_\_\_.
- 11) According to Holden and Mertz (1984), \_\_\_\_\_ should be the dk/t of a lens to prevent corneal edema in daily wear.
- 12) Central bearing in RGP lens fit indicates \_\_\_\_\_ fit.
- 13) The contact angle \_\_\_\_\_ proportional to wettability.
- 14) According to the rule of thumb, every 0.5mm change in total diameter requires a change of \_\_\_\_\_ in base curve to retain the fitting of soft contact lens.
- 15) Endothelial cell edema is also termed as \_\_\_\_\_.
- 16) By definition, continuous wear contact lenses can be worn for \_\_\_\_\_ without removal.

**P.T.O.**

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- 17) Two major disadvantages of silicone hydrogels are \_\_\_\_\_ and \_\_\_\_\_.
- 18) For a person to be identified a low vision patient, the field of vision should be \_\_\_\_\_.
- 19) Vistech charts are used to assess \_\_\_\_\_.
- 20) \_\_\_\_\_ is a disadvantage of telescope as a low vision device.

**SECTION – B**

**Q.2** Attempt **ANY SIX** of the following: **[30]**

- a) How would you assess the fitting of RGP contact lens?
- b) Write a note on H<sub>2</sub>O<sub>2</sub> contact lens disinfection system.
- c) Enlist corneal infiltrative conditions in contact lens wear and explain any one.
- d) Define Low Vision. Enlist causes of central; peripheral and overall vision loss.
- e) Explain various types of magnifications.
- f) Discuss the clinical picture of intermittent divergent squint.
- g) Write a note – Prisms in orthoptics.

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