

FIRST YEAR M. OPTOM. : SUMMER - 2018
SUBJECT : CLINICAL SCIENCES

Day : **Thursday**
Date : **19/04/2018**

S-2018-3577

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

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.

SECTION – A

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

- i) Contract sensitivity is expressible in _____ grating system.
- ii) Test for detecting open angle glaucoma _____.
- iii) In diabetic retinopathy soft exudates are formed due to _____.
- iv) To detect the bleb leakage after trabeculemctomy surgery _____ test is performed.
- v) Mutton fat keratic precipitates, seen on slit lamp examination are present in _____.
- vi) Complain of flashes of light are commonly associated with _____ retinal detachment.
- vii) In _____ type of refractive conditions give false appearance of papilloedemal (pseudo papilloedema).
- viii) The magnification of direct ophthomoscope and indirect ophthalmoscope _____ and _____ respectively.
- ix) In _____ disease window defect is seen.
- x) The most commonly used mathematical formula to calculate IOL power is _____.
- xi) Most common type of cataract is seen with long term steroid therapeutic is _____.
- xii) Day blindness is knowns as _____.
- xiii) Acute hydrops is a complication caused due to _____.
- xiv) Sins of keratoconus are _____, _____ and _____.
- xv) Unioocular loss of colour vision is seen _____.

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- xvi) To assess the lipid layer _____ is used.
- xvii) Pupil reactions are abnormal in _____, _____ and _____.
- xviii) Expands ETDRS _____.
- xix) AC depth is checked with _____ technique of slit lamp.
- xx) In RPE _____ pigment is found.

SECTION – B

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

- a) Discuss various phases of FFA.
- b) Write short note on automated perimetry.
- c) What are the various landmarks of fundus observed in direct ophthalmoscope?
- d) By using various instruments how can you confirm the diagnosis of keratoconus.
- e) Discuss latest instruments used in corneal examination.
- f) Pre-operative investigations performed in case of senile cataract.
- g) Enlist various macular function tests. Explain any three.

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