

<b>CP-8691</b>
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<b>Sub. Code</b>
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<b>11</b>
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**DIPLOMA IN OPHTHALMIC TECHNIQUES  
EXAMINATION, APRIL 2018**

**Non-Semester**

**FUNDAMENTAL SCIENCE**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Tear substitutes.
2. Cycloplegics.
3. Mydriatics and miotics.
4. 3 grade of bsv.
5. Schirmer's test.
6. Name the attachment of vitreous.
7. Define polycoria and corectopia.
8. Define culture media.
9. Give example for selective media.
10. Give two example for DNA virus.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Antifungal drugs.

Or

(b) Local anaesthetics.

12. (a) Write about Dry eyes evaluation.

Or

(b) Explain tear film, its origination, components and function with a neat diagram.

13. (a) Give the parts of conjunctiva and explain.

Or

(b) Anatomy of cornea.

14. (a) Difference between gram positive and gram negative bacteria.

Or

(b) Write about the sample collection in conjunctiva.

15. (a) Give the origin, course and insertion of EOM.

Or

(b) Factors affecting IOP.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Corneal transparency and corneal hydration.

Or

(b) Explain ocular diagnostic drugs.

17. (a) Anti glaucoma drugs.

Or

(b) Write different types of routes of drug administration in general.

18. (a) Explain about anatomy of bacteria and draw the neat diagram.

Or

(b) Write about the differential staining methods.

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**DIPLOMA EXAMINATION, APRIL 2018**

**Non-Semester**

**Ophthalmic Techniques**

**REFRACTION**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Define visual angle.
2. Maddox Rod.
3. Objective Refraction.
4. Define Magnification.
5. Define Astigmatism.
6. Define Lens.
7. Define Refraction Index.
8. Define Dioptre.
9. Define blindness.
10. Define convex Mirror.

**Part B****(5 × 5 = 25)**Answer **all** questions.

11. (a) Write about uses of prism in ophthalmology.

Or

- (b) Write about Jackson Cross cylinder.

12. (a) Myopia.

Or

- (b) Hypermetropia.

13. (a) Write about perimetry.

Or

- (b) Write about A-scan.

14. (a) Write about 'laws of refraction'.

Or

- (b) Write about "Snellen's chart".

15. (a) Write about types of contact lens.

Or

- (b) Write about types of retinoscope.

**Part C****(3 × 10 = 30)**Answer **all** questions.

16. (a) Write about 'Keratometer'.

Or

- (b) Write about 'Static Retinoscopy'.

17. (a) Write in detail about “Soft Contact Lens” fitting.

Or

(b) Write about Low Vision Optical devices.

18. (a) Write in detail about Visual Acuity Measurement.

Or

(b) Write about IPD Measurement.

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**DIPLOMA IN OPHTHALMIC TECHNIQUE  
EXAMINATION, APRIL 2018**

**Non Semester**

**EYE DISEASES AND OPHTHALMIC PRACTICE**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Chalazion.
2. Entropion.
3. Trachoma.
4. Pterygium.
5. Corneal ulcer.
6. Iridocyclitis.
7. Nuclear cataract.
8. Primary open angle glaucoma.
9. Xerosis.
10. Hardeolum Externum.

**Part B**

(5 × 5 = 25)

Answer **all** questions.

11. (a) Blepharitis.

Or

(b) Iridocyclitis.

12. (a) Scleritis.

Or

(b) Vernal Kerato Conjunctivitis.

13. (a) Corneal ulcer.

Or

(b) Dacryocystitis.

14. (a) Glaucoma Investigations.

Or

(b) Chemical Injury.

15. (a) Sympathetic ophthalmitis.

Or

(b) Pterygium and its management.

**Part C**

(3 × 10 = 30)

Answer **all** questions.

16. (a) Endophthalmitis.

Or

(b) Optic Neuritis.



17. (a) Glaucoma.

Or

(b) Panophalmitis.

18. (a) Contract.

Or

(b) Extra ocular foreign body injury.

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**DIPLOMA IN OPHTHALMIC TECHNIQUES  
EXAMINATION, APRIL 2018**

**First Semester**

**OPTOMETRIC INSTRUMENTS**

**(2016 onwards)**

Time : 3 Hours

Maximum : 75 Marks

**Part A**

(10 × 2 = 20)

Answer **all** questions.

1. Principle of kumatometer.
2. What is tonometer? Write its types.
3. Maddox rod.
4. Name the visual acuity charts used for distance and neon.
5. Expand and explain about RAF ruller.
6. Name the types of retinosugse.
7. Define glucometer.
8. Explain about jce and its uses.
9. Define visual acuity.
10. Define implants in artificial eye.

**Part B****(5 × 5 = 25)**Answer **all** questions.

11. (a) Explain about smaller visual acuity charts.

Or

- (b) Explain about OCT.

12. (a) Explain about procedure of A – scan.

Or

- (b) Write about types of suttees.

13. (a) Write in detail about B – scan.

Or

- (b) Write about glwcometer.

14. (a) Explain the types of thermometer.

Or

- (b) Write about procedures of Hess screen.

15. (a) Explain in detail about Diplopia charting.

Or

- (b) Explain about Visual acuity charts for distance.

**Part C****(3 × 10 = 30)**Answer **all** questions.

16. (a) Retinoscope types and procedure.

Or

- (b) Discuss about Direct gonioscope.

17. (a) Amblyescope.

Or

(b) Keratometer.

18. (a) Direct ophthalmoscope.

Or

(b) Insect ophthalmoscope.

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