

Examination for Master and Diploma
Degree in Ophthalmology
Course Title: OPTICS
Date: 18-10-2014
Time Allowed: 3 hours
Total Assessment Marks: 80 MARKS



Tanta University
Faculty of Medicine
Department of
Ophthalmology

All questions are to be attempted

Write a short note on each of the following:

- 1) Optical principles and clinical applications of prisms. (10 marks)
- 2) Types and correction of astigmatism. (10 marks)
- 3) Reduced eye. (10 marks)
- 4) Chromatic aberration. (10 marks)
- 5) Total internal reflection. (10 marks)
- 6) Jackson's cross cylinder. (10 marks)
- 7) Applanation tonometry. (10 marks)
- 8) Magnification of the indirect ophthalmoscope. (10 marks)

Best Wish



Physiology Exam. (13/10/2014)
M.S. & Diploma (first Part)

All Questions should be attempted:

Time allowed: 3 hours

1. Discuss the mechanism of color vision and how to diagnose color blindness. (15 mark)

2. Discuss aqueous humor dynamics. (15 mark)

3. Write short notes on:

a. Factors affecting retinal circulation. (10 mark)

b. Physical properties of tear film. (10 mark)

c. Corneal hydration. (10 mark)

d. Scotopic Vision. (10 mark)

e. Functions of RPE. (10 mark)

Good Luck



Tanta University
Faculty Of Medicine
Ophthalmology department
MS and Diploma Examination- Surgery
October 2014

Time allowed 3 hours

Answer all Questions

1-Different Types of surfaces ablations and its complications

2-Surgical Management of ectropion

3-Antifibrotic agents in glaucoma therapy

4-Intraoperative complications during phacoemulsification

5- Intravitreal Injections in management of diabetic macular edema

6- Pneumatic retinopexy (indications, types of gases used and complications)

7-Mangaement of Duane retraction syndrome

8- Role of surgery in thyroid orbitopathy

GOOD LUCK

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د/ اشرف

د/ محمد
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Tanta Universtiy
Faculty of Medicine
Department of Ophthalmology
Pathology Examination
for Second Part MSc and Diploma

All questions to be answered

Question 1

Discuss pathology of follicular and papillary conjunctivitis (illustrate answer with diagrams) (15 marks)

Question 2

Discuss pathology of iris nodule (illustrate answer with diagrams) (15 marks)

Question 3

Discuss general pathological features of retinitis and microbiology of one of its causative microorganisms (15 marks)

Question 4 write short notes on the following

- A) Pathogenesis of lens induced glaucoma (10 marks)
B) Pathology of ischaemic optic neuropathy (10 marks)
C) Immunology of moorens ulcer (5 marks)

Question 5

Define the following terms : Choristoma – Teratoma – Hamartoma – Phakoma
With example for each one (10 marks)

Best wishes



Department of Ophthalmology
MS & diploma examination
Ophthalmic Medicine
October, 2014

All questions should be attempted

Time allowed 3 hours

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- 1- Discuss, in brief, causes and diagnosis of choroidal neo-vascular membranes.
- 2- Summarize the clinical picture and investigations of chronic anterior uveitis.
- 3- Describe the clinical picture and plan the treatment of pigmentary glaucoma.
- 4- Summarize the clinical approach for infective keratitis.
- 5- Enumerate the ocular manifestation of herpes zoster ophthalmicus.
- 6- Discuss, in brief, causes and diagnosis of dry eye.
- 7- Summarize the causes and differential diagnosis of pseudopapilledema.
- 8- Summarize the clinical approach for cases of rapid visual loss.

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Ophthalmology Department
Msc.&diploma degree examination
Anatomy & Embryology
October 2014

Time allowed 3 hours

All questions will attempted:

- 1- Anatomy & embryology of the angle of anterior chamber ?
- 2- Anatomy(gross and applied) of medial wall of orbit ?
- 3- Gross & Applied anatomy of lacrimal glands ?
- 4- Embryology & anatomy of R.P.E. & its applied anatomy ?
- 5- Anatomy of S.O. muscle ?
- 6- Autonomic nerve supply of the globe ?
- 7- Vascular supply of anterior surface of the globe ?
- 8- Applied anatomy & gross anatomy Of optic chaisma ?

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