

Question Paper

Exam Date & Time: 26-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BACHELOR OF OPTOMETRY DEGREE EXAMINATION - MAY 2022
SUBJECT: OPT2201 - OCULAR DISEASES - I
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

1. Explain malignant melanoma of choroid under following headings:

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| 1A) | Clinical picture with stages. | (8) |
| 1B) | Investigations. | (2) |
| 2) | Explain the differentiating features of bacterial, viral and allergic conjunctivitis with the help of a table | (10) |
| 3A) | Explain briefly about orbital blow out fracture. | (5) |
| 3B) | Describe in detail about Band Keratopathy | (5) |
| 3C) | Explain the pathogenesis, clinical features and management of Blepharitis | (5) |
| 3D) | Write in detail about Dry eye | (5) |
| 4A) | Mention any two corneal dystrophies condition | (2) |
| 4B) | What Enophthalmos? What are its common causes? | (2) |
| 4C) | Management of scleritis | (2) |
| 4D) | What is ROPLAS? | (2) |
| 4E) | List any four abnormal conditions of lid | (2) |

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Question Paper

Exam Date & Time: 28-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BACHELOR OF OPTOMETRY DEGREE EXAMINATION - MAY 2022
SUBJECT: OPT2202 - VISUAL PERCEPTION
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Write the properties of P, M and K pathway (10)
- 2) Explain in detail about Modulation Transfer Function (MTF) and Contrast Sensitivity Function (CSF). (10)
- 3A) What are four properties of sine wave? (5)
- 3B) Explain Figure ground relationship (5)
- 3C) What are they types of Anamolous trichromacy? Explain them. (5)
- 3D) What is dynamic visual acuity? Explain about the methods to assess them. (5)
- 4A) What are three categories of fixation eye movements? (2)
- 4B) Explain color opponent theory (2)
- 4C) Dorsal pathway is also called as? (2)
- 4D) Which part(s) of visual cortex is called extra- striate cortex? (2)
- 4E) Define Ricco's law (2)

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Question Paper

Exam Date & Time: 30-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BACHELOR OF OPTOMETRY DEGREE EXAMINATION - MAY 2022
SUBJECT: OPT 2241 - MYOPIA CONTROL
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Describe in detail the effect of atropine treatment in delaying the progression of myopia. (10)
- 2) Explain the benefits of time spent outdoors for children with myopia. (10)
- 3A) Explain the risk factors of myopia. (5)
- 3B) Describe in detail about the prevalence and the epidemiology of myopia. (5)
- 3C) A 5-year-old female came with a complaint of blurring of vision for 6 months. She also had an inward deviation of the eye since birth. Explain the history taking part in this case. (5)
- 3D) Describe DIMs technology. (5)
- 4A) What are the complications of high myopia. (2)
- 4B) What is axial and refractive myopia? (2)
- 4C) What are the policies to be implemented in schools by the government? (2)
- 4D) When do you prescribe PALS? (2)
- 4E) What is myopic and hyperopic defocus? (2)

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Question Paper

Exam Date & Time: 30-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BACHELOR OF OPTOMETRY DEGREE EXAMINATION - MAY 2022
SUBJECT: OPT 2242 - PROGRAM ELECTIVE-I - VISUAL PSYCHOPHYSICS
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain the concept of absolute, relative and supra threshold. (10)
- 2) List and describe various psychophysical procedures used in perimetry. (10)
- 3A) Describe the difference between TWO interval and TWO alternative force choice test. (5)
- 3B) Is electroretinogram (ERG) is a psychophysical test? Justify your answer. (5)
- 3C) Explain method of constant stimulus. (5)
- 3D) Describe TWO alternative force choice test with example. (5)
- 4A) List down the clinical test which uses method of descending limits. (2)
- 4B) In perimetry which psychophysical law is used? And explain the law. (2)
- 4C) Explain the difference between adaptive and normal staircase. (2)
- 4D) Which psychophysical test procedure gives you the most accurate threshold estimates? And explain the test procedure. (2)
- 4E) Define signal to noise ratio. (2)

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