

National Board of Examinations

Question Paper Name :	DNB Ophthalmology Paper1
Subject Name :	DNB Ophthalmology Paper1
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Actual Answer Key :	No

DNB Ophthalmology Paper1

Group Number :	1
Group Id :	3271872537
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Ophthalmology Paper1

Section Id :	3271872540
Section Number :	1
Section type :	Offline

Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872544
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718725633 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) Dynamics of aqueous humor. [5]
- b) Clinical implications of blood aqueous barrier. [5]

Question Number : 2 Question Id : 32718725634 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss principle, parameters for analysis and clinical applications for specular microscopy.
[3+3+4]

Question Number : 3 Question Id : 32718725635 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Draw the Sturm's conoid indicating the cross sections at different intervals and the interval of Sturm giving its clinical applications. [4+6]

Question Number : 4 Question Id : 32718725636 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Discuss uses of various dyes in ophthalmic surgery. [5]

b) Mention briefly about various drug delivery systems utilized in Ophthalmology. [5]

Question Number : 5 Question Id : 32718725637 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Describe the anatomy of cavernous sinus and discuss briefly various cavernous sinus syndromes. [5+5]

Question Number : 6 Question Id : 32718725638 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Discuss laws of ocular motility. [5]

b) Duane's retraction syndrome. [5]

Question Number : 7 Question Id : 32718725639 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the development of crystalline lens and factors responsible for its transparency. Discuss biochemical mechanisms for cataractogenesis. [(3+4)+3]

Question Number : 8 Question Id : 32718725640 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Draw a labelled diagram of retina. [5]
- b) Role of microperimetry in ophthalmic disorders. [5]

Question Number : 9 Question Id : 32718725641 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Describe medial wall of orbit. [4]
- b) Management of blow-out fracture in a 20 years old patient. [6]

Question Number : 10 Question Id : 32718725642 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

- a) Discuss pathophysiology of night vision. [5]
- b) Enumerate causes of nyctalopia. [2]
- c) Clinical manifestations of retinitis pigmentosa. [3]