

National Board of Examinations

Question Paper Name :	DNB Ophthalmology Paper4
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DNB Ophthalmology Paper4

Group Number :	1
Group Id :	3271871341
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 Paper4

Section Id :	3271871344
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 :	3271871348
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718712462 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. Discuss in detail the interventional modalities to halt progression of keratoconus. Discuss in detail the various refractive surgeries which can be done to provide visual rehabilitation in non-progressive keratoconus. [5+5]

Question Number : 2 Question Id : 32718712463 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 in detail about types, indications and contraindications of keratoprosthesis. [4+3+3]

Question Number : 3 Question Id : 32718712464 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 in detail the surgical management of corneal ulcers. What is the role of confocal microscopy in diagnosis and management of corneal ulcers? [6+4]

Question Number : 4 Question Id : 32718712465 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 indications, technique, intraoperative and post operative complications of SMILE surgery. [3+3+2+2]

Question Number : 5 Question Id : 32718712466 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 different types of Premium IOLs. Explain the Optics of EDOF IOLs. [6+4]

Question Number : 6 Question Id : 32718712467 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) Surface modifications of IOLs. [5]

b) Scheimpflug Principle. [5]

Question Number : 7 Question Id : 32718712468 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 Anti-VEGF types, mechanism of action and clinical role in ocular disease. [4+3+3]

Question Number : 8 Question Id : 32718712469 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) OCT-angiography. [5]
- b) Teleophthalmology. [5]

Question Number : 9 Question Id : 32718712470 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 indications with concentration and regime of the following pharmacological compound in Ophthalmology:

- a) Mitomycin-C. [5]
- b) Botulinum toxin. [5]

Question Number : 10 Question Id : 32718712471 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What is the classification of Retinopathy of Prematurity? What are recent advances in treatment of ROP? [5+5]