



## Table of Specifications

### 100 MCQs

Sr. No.	Section	Topic / Content Area	No. of MCQs
1-23	Basic Ophthalmology	Ocular Anatomy, Physiology, Pharmacology, General Pathology (as per approved blueprint)	30
24-40	General Principles of Ophthalmic Surgery	Pre-op evaluation, asepsis, anesthesia, instruments, tissue handling, wound healing, post-op care	30
41-52	Clinical Ophthalmology	Adnexa, Conjunctiva, Cornea, Uvea, Lens, Glaucoma, Retina, Optic Nerve, Trauma, Strabismus	40



## Breakdown

Sr. No.	Section	Topic / Content Area (Concept-based)	No. of MCQs
1	Ocular Anatomy	Eyelids & Lacrimal Apparatus	1
2	Ocular Anatomy	Conjunctiva & Sclera	1
3	Ocular Anatomy	Cornea (layers, nutrition, transparency)	2
4	Ocular Anatomy	Uveal Tract (iris, ciliary body, choroid)	2
5	Ocular Anatomy	Lens (structure, metabolism)	1
6	Ocular Anatomy	Retina (layers, macula, fovea)	2
7	Ocular Anatomy	Optic Nerve & Visual Pathway	1
8	Ocular Physiology	Physiology of Vision (phototransduction)	2
9	Ocular Physiology	Rods vs Cones	1
10	Ocular Physiology	Aqueous Humor (formation & drainage)	2
11	Ocular Physiology	Intraocular Pressure Regulation	1
12	Ocular Physiology	Tear Film & Lacrimation	1
13	Ocular Physiology	Pupillary Reflexes	1
14	Ocular Pharmacology	Routes of Ocular Drug Administration	1
15	Ocular Pharmacology	Mydriatics & Cycloplegics	2
16	Ocular Pharmacology	Antiglaucoma Drugs (mechanism-based)	2
17	Ocular Pharmacology	Adverse Effects of Ocular Drugs	1



18	Ocular General Pathology	Inflammation (acute vs chronic)	1
19	Ocular General Pathology	Cellular Injury & Cell Death	1
20	Ocular General Pathology	Degeneration & Dystrophy	1
21	Ocular General Pathology	Ischemia & Hypoxia	1
22	Ocular General Pathology	Neovascularization (mechanism)	1
23	Ocular General Pathology	Healing & Repair	1

#### General Principles of Ophthalmic Surgery

Sr. No.	Domain	Topic (Ophthalmology-Relevant Surgical Principles)	No. of MCQs
1	Pre-operative Principles	Patient evaluation & fitness for ophthalmic surgery	2
2	Pre-operative Principles	Informed consent (ethical & legal aspects)	1
3	Pre-operative Principles	Pre-operative preparation of eye & patient	2
4	Asepsis & Sterilization	Principles of asepsis in ophthalmic OT	2
5	Asepsis & Sterilization	Sterilization of ophthalmic instruments	2
6	Asepsis & Sterilization	OT discipline & prevention of surgical site infection	1



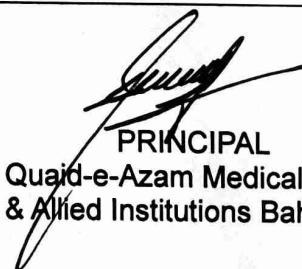
7	<b>Anesthesia in Ophthalmology</b>	Types of anesthesia (local vs general)	2
8	<b>Anesthesia</b>	Regional blocks (peribulbar, retrobulbar – principles only)	2
9	<b>Anesthesia</b>	Complications of ophthalmic anesthesia (general concepts)	1
10	<b>Surgical Instruments</b>	Basic ophthalmic surgical instruments (principles of use)	3
11	<b>Surgical Instruments</b>	Sutures & needles used in eye surgery	2
12	<b>Hemostasis &amp; Tissue Handling</b>	Principles of tissue handling in eye surgery	2
13	<b>Hemostasis &amp; Tissue Handling</b>	Methods of hemostasis in ophthalmic surgery	1
14	<b>Wound Healing</b>	Stages of wound healing in ocular tissues	2
15	<b>Wound Healing</b>	Factors affecting healing in eye surgery	1
16	<b>Post-operative Care</b>	Immediate post-operative care principles	2
17	<b>Post-operative Care</b>	Post-operative complications (general principles)	2

#### **Clinical Ophthalmology**

<b>Sr. No.</b>	<b>Clinical Area</b>	<b>Topics Included</b>	<b>No. of MCQs</b>
1	<b>Disorders of Eyelids</b>	Blepharitis, chalazion, ptosis (clinical features & principles of management)	2
2	<b>Lacrimal Apparatus</b>	Epiphora, dacryocystitis (clinical presentation & evaluation)	2



3	<b>Conjunctiva</b>	Conjunctivitis (bacterial, viral, allergic), xerosis (clinical differentiation)	4
4	<b>Cornea</b>	Corneal ulcer, keratitis, corneal opacity (clinical signs & basics of management)	5
5	<b>Sclera &amp; Episclera</b>	Episcleritis vs scleritis (clinical distinction)	2
6	<b>Uveal Tract</b>	Anterior uveitis (clinical features, complications)	3
7	<b>Lens</b>	Cataract (types, clinical features, indications for surgery)	4
8	<b>Glaucoma</b>	Primary open-angle & angle-closure glaucoma (clinical features, screening)	5
9	<b>Retina</b>	Diabetic retinopathy, retinal detachment (clinical presentation)	5
10	<b>Optic Nerve</b>	Optic neuritis, papilledema (clinical recognition)	3
11	<b>Ocular Trauma</b>	Mechanical & chemical injuries (initial assessment & principles)	3
12	<b>Strabismus &amp; Amblyopia</b>	Basic concepts, screening & clinical identification	2

  
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