

OPHTHALMOLOGY

Content Of Dr. Murali Bharadwaz's E-Learning Material

Microbiology Mock test & Notes			
Topic	Lecture	Duration	Size (MB)
AIIMS Microbiology	Lec-02	0:43:28	148
	Lec-03	0:45:59	157
	Lec-04	0:39:58	136
Microbiology Test499	Lec-01	0:39:47	136
	Lec-02	0:37:05	127

Microbiology Notes	
Microbiology Notes	No. of Pages = 130

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
OPHTHALMOLOGY	Lec 01	<ul style="list-style-type: none"> ◆ Anterior chamber ◆ Fovea centralis ◆ Choroid ◆ Ciliary body&Iris ◆ Macula lutea ◆ ganglion cell layer ◆ inner nuclear layer(INL) ◆ Muller cells ◆ Outer limiting membrane ◆ inner limiting membrane ◆ macula lutea ◆ Choroid ◆ Blood supply of uveal tract ◆ Long posterior ciliary arteries ◆ Mydriatics ◆ Cocaine ◆ Miotics ◆ Direct stimulants(Parasympathomimetics) ◆ Eserine 	0:42:43	146
	Lec 02	<ul style="list-style-type: none"> ◆ Cycloplegics in refraction ◆ Mydriatic of choice ◆ Ametropia ◆ Myopic Eye ◆ Hypermetropic Eye ◆ Aphakia ◆ Aphakia ◆ Aphakia with Soemmering's ring formation ◆ Advantage of IOL ◆ Anisometropia ◆ Anisometropia 	0:37:07	127
	Lec 03	<ul style="list-style-type: none"> ◆ Unilateral Cyclopegia ◆ Pupillary pathways of light reflex ◆ Pupillary pathway of near reflex ◆ Psycho-sensory reflex ◆ Afferent papillary defect ◆ Wernicke hemianopic pupillary reaction ◆ Pupil in acute glaucoma ◆ Unilateral dilatation ◆ Small immobile pupils-Morphine ◆ Bilaterally small pupil ◆ Horners syndrome ◆ Argyll Roberston pupil ◆ Tonic pupil of Adie ◆ Atonic Pupil 	0:40:39	139
	Lec 04	<ul style="list-style-type: none"> ◆ Quiz time ◆ ophthalmoscopy ◆ Indirect Ophthalmoscopy ◆ Indirect Ophthalmoscopy(BIO) ◆ Retinoschisis ◆ Direct Ophthalmoscopy ◆ Keratometer ◆ Applanation Tonometry(Goldman) ◆ Gonioscopy,Flourescin Angiography 	0:44:49	153

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OPHTHALMOLOGY	Lec 05	<ul style="list-style-type: none"> ♦ Keratomalacia ♦ Purulent keratitis ♦ Ophthalmia Neonatarum ♦ Gonorrhoea ♦ Angular Conjunctivitis ♦ Follicular Conjunctivitis ♦ Follicles Vs: Papillae ♦ Hemorrhagic Conjunctivitis ♦ Trachoma ♦ Spring Catarrh (Vernal conjunctivitis) ♦ Corneal Ulcer ♦ Hypopyon ulcer 	0:41:57	143
	Lec 06	<ul style="list-style-type: none"> ♦ Homocystinuria ♦ Pseudoexfoliation syndrome ♦ HSV Keratitis ♦ HSV disciform keratitis ♦ HSV dendritic keratitis ♦ Interstitial Keratitis ♦ Photophthalmia ♦ Keratoconus 	0:32:50	112
	Lec 07	<ul style="list-style-type: none"> ♦ Fleischersring ♦ Keratoglobus ♦ Fuchs endothelial dystrophy q ♦ Corneal Pigmentation ♦ Rubeosis Iridis ♦ Uveitis With Anterior Chamber ♦ Iris Bomb'e ♦ Band Keratopathy ♦ Treatment of Uveitis 	0:30:34	104
	Lec 08	<ul style="list-style-type: none"> ♦ Juvenile Rheumatoid Arthritis ♦ Toxoplasmosis ♦ Atypical ARN ♦ CMV Retinitis ♦ papilloedema ♦ Vogt Koyanagi Harada Syndrome ♦ Developmental cataract ♦ Causes of cataract ♦ Myotonic Dystrophy ♦ Zonular Cataract 	0:39:52	136
	Lec 09	<ul style="list-style-type: none"> ♦ Subcapsular Cataract ♦ Posterior Subcapsular Cataract ♦ Anterior Subcapsular ♦ Nuclear Cataract ♦ Cortical Cataract ♦ Lamellar Cataract ♦ Sutural Cataract ♦ Senile Cataract ♦ Senile nuclear cataract ♦ Morgangian Cataract 	0:25:49	89

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OPHTHALMOLOGY	Lec 10	<ul style="list-style-type: none"> ◆ Complicated cataracts ◆ Diabetic Cataract ◆ Cataract with radiant energy ◆ After cataract ◆ Elsching's pearls ◆ Vitreous haemorrhage 	0:23:01	79
	Lec11	<ul style="list-style-type: none"> ◆ Vitrectomy for Retinal Tear ◆ Eales disease ◆ Sickle cell retinopathy ◆ Retinal detachment with vitreous contraction ◆ closed angle glaucoma ◆ Open Angle glaucoma ◆ Absolute Glaucoma ◆ Diagnosis of closed angle glaucoma ◆ Indirect gonioscopy ◆ Direct Gonioscopy 	0:22:06	76
	Lec 12	<ul style="list-style-type: none"> ◆ Dark room test ◆ Peripheral iridectomy ◆ Simple Glaucoma ◆ Humphrey Field Analyzer 	0:37:51	129
	Lec 13	<ul style="list-style-type: none"> ◆ "Seidel's" scotoma ◆ arcuate fashion ◆ "Bjerrum" scotoma ◆ Monocular Vs Binocular defects ◆ Baring of blind spot ◆ Etiology of simple glaucoma ◆ Central serous retinopathy ◆ Central retinal artery occlusion ◆ Central retinal vein thrombosis ◆ Risk factors for retinal venous occlusive disease include ◆ Retinal Arterial Macroaneurysm(RAM) 	0:35:17	120
	Lec 14	<ul style="list-style-type: none"> ◆ Cystoid Macular Edema(CME) ◆ photodynamic therapy(PDT) ◆ Epiretinal Membrane ◆ Optical Coherence Tomography(OCT)- ◆ Retina detachment ◆ Exudative Causes ◆ Diagnosis by indirect ophthalmoscope ◆ Lattice retinal degeneration ◆ Retinal holes ◆ Macular Hole ◆ Treatment of RD 	0:24:31	84
	Lec 15	<ul style="list-style-type: none"> ◆ Papilledema ◆ Normal Disc ◆ Cilioretinal artery ◆ (Papilledema) ◆ Anterior ischemic optic neuropathy ◆ Pseudoneuritis, Drusen ◆ Benign intracranial HTN ◆ Drusen of optic disc ◆ Giant cell arteritis, Papillitis ◆ Causes of unilateral optic disc edema 	0:43:50	150

Subject Name	Lecture Number	Lecture Content	Lecture Duration	File Size
OPHTHALMOLOGY	Lec 16	<ul style="list-style-type: none"> ♦ Retrobulbar Neuritis ♦ Optic atrophy ♦ Lebers optic atrophy ♦ Toxic Amblyopias ♦ Quinine Amblyopia ♦ Ethambutol amblyopia ♦ Chloroquine amblyopia ♦ Thiamine deficiency amblyopia ♦ Primary atrophy ♦ Amaurosis Fugax 	0:36:03	123
	Lec 17	<ul style="list-style-type: none"> ♦ Retinoblastoma ♦ Pseudoglioma ♦ Retinoblastoma ♦ Malignant melanoma of choroids ♦ Iridodialysis ♦ Vossius'ring ♦ Angle Recession ♦ Traumatic cataract ♦ Lens subluxation ♦ Lens dislocation 	0:39:57	136