

Lecture		Duration
Week 1		
Introductory Lecture by Course Director	1_12212	00:29:10
Introduction to Course Structure - CGC	1_11974	00:02:19
Introducing Online Co-ordinator	1_11461	00:00:33
Veek 2		
Week introduction by Course Moderator - CGC	1_12313	00:01:47
Cluster 1		
Block 1: Introduction to Human Genetics Unit 1: Overview of Human Genetics and Present Scenerio Lectures		
Basics of Human Genetics Genetic Tests for Better Health Care Unit 2: Chromosome Lectures	1_11231 1_11695	00:22:04 00:23:46
Morphology of Chromosomes - I  Morphology of Chromosomes - II  Sex Chromosomes  Structural Abnormalities Involving Human Chromosomes  Numerical Chromosomal Abnormalities-01  Unit 3: Cell Division and Cell Cycle Regulation	1_12238 1_12239 1_12250 1_12240 1_4349	00:27:27 00:11:59 00:23:59 00:16:20 00:20:53
Lectures Mitosis Meiosis Cell Cycle DNA Synthesis	1_2573 1_2502 1_11228	00:17:02 00:23:00 00:08:38
Veek 3		
Week Introduction by Course Moderator - CGC	1_12408	00:01:12
Block 1: Introduction to Human Genetics		
Unit 4: Pedigree Taking and Analysis Lectures		
Pedigree Analysis - I Pedigree Analysis - II	1_12236 1_12237	00:26:59 00:21:07
Block 2: Genetics and Inheritance		
Unit 5: Types of Inheritance Lectures Autosomal Dominant Inheritance	1_12234	00:18:42
Autosomal Dominant Inheritance-02 Autosomal Recessive Inheritance-01 Autosomal Recessive Inheritance-02	1_3983 1_3980 1_3981	00:26:03 00:17:42 00:19:05



Lecture		Duration
Week 4		
Week Introduction by Course Moderator - CGC	1_12413	00:01:16
Block 3: Understanding Genetics at a Molecular level		
Unit 6: DNA Replication, Transcription and Translation Lectures		
DNA Structure and Replication-01	1_12204	00:15:09
DNA Structure and Replication-02	1_12206	00:07:04
DNA Transcription	1_12213	00:09:41
DNA Transcription-02	1_2186	00:19:36
DNA Translation - 01	1_12214	00:15:36
DNA Translation I-02	1_2188	00:22:03
DNA Translation - 02	1_12215	00:16:16
Unit 7: DNA Repair Mechanism	1_12213	00.10.10
Lectures		
DNA Repair - I	1_12205	00:02:39
DNA Repair - II	1_12245	00:02:37
Unit 8: Gene Concept	1_12243	00.07.3
Lectures		
Gene Concept - I	1_12216	00:16:45
Gene Concept - II	1_12217	00:15:14
 √eek 5		
Week Introduction by Course Moderator - CGC	1_12430	00:01:02
Block 3-Unit 9: Molecular Biology Techniques	_	
Lectures		
Molecular Biology Techniques-01	1_2193	00:24:37
Molecular Biology Techniques-01  Molecular Biology Techniques-02	1_2193	00:24:37
Block 4: Psychology and Medical Ethics	1_2194	00.21.11
Unit 10: Basics of Counseling		
Lectures	4 44507	00.20.54
Introduction to Counseling	1_11587	00:20:54
Introduction to Counseling_Revision	1_11588	00:01:50
Unit 11: Individual Counseling		
Lectures	4 44427	00.20.20
Individual Genetic Counseling  Veek 6	1_11426	00:28:30
Week Introduction by Course Moderator - CGC	1_12436	00:01:12
Block 4: Psychology and Medical Ethics	1_12430	00.01.12
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Unit 12: Family Counseling		
Lectures		
Family Counseling	1_11579	00:16:43
Unit 13: Group Counseling		
Lectures		
Group Counseling	1_11581	00:20:07



Lecture		Duration
Unit 14: Medical Ethics		
Lectures		
Medical Ethics - 01	1_11840	00:21:07
Medical Ethics - 02	1_11841	00:20:37
Medical Ethics - 03	1_11842	00:23:04
Week 7		
Week Introduction by Course Moderator - CGC	1_12461	00:00:52
CLuster 2		
BLock 1 :Biochemical Basis of Genetics Unit 1 : Overview of Metabolism Lectures		
Overview of Metabolism - 01	1_12291	00:25:54
Overview of Metabolism - 02	1_12462	00:16:40
Unit 2 :Inborn Errors of Metabolism	_	
Lectures		
Inborn Metabolic Disorders	1_12292	00:11:42
Unit 3 :New Born screening		
Lectures	4 40 400	00 17 00
Newborn Screening	1_12499	00:17:20
Week 8		
Week Introduction by Course Moderator - CGC	1_12457	00:01:03
Block 1 : Biochemical Basis of Genetics		
Unit 4 :Genetic Diseases Of Metabolic Pathways Lectures		
Genetic Diseases of Metabolic Pathways - I	1_12557	00:23:04
Genetic Diseases of Metabolic Pathways - II	1_12558	00:21:54
Block 2: Immunology And Genetics		
Unit 5: Immunology		
Lecture	4 2057	00 05 00
Immunology I -	1_3257	00:25:02
Immunology II	1_12566	00:16:18
Immunology III Genetic Aspects of Immunology - 01	1_12567	00:09:31
Genetic Aspects of Immunology - 01  Genetic Aspects of Immunology - 02	1_12610 1_12611	00:19:22 00:21:17
Week 9	1_12011	00.21.17
Block 2: Immunology and Genetics		
Unit 6: Genetic Basis of Immunological Diseases		
Lectures		
Immunological Disorders	1_12568	00:11:18
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Lecture		Duration
Block 3: Genetics of Reprodructive System		
Unit 7 : Male Reproductive System And Spermatogenesis		
Lecture  Male Reproductive System  Unit 8 : Female Reproductive System and Oogenesis  Lecture	1_12507	00:32:11
Female Reproductive System 1 Female Reproductive System 2	1_3219 1_12504	00:14:33 00:08:33
Week 10		
Block 3: Genetics of Reprodructive System		
Unit 9 : Menstrual Cycle Lecture		
Menstrual Cycle I Menstrual Cycle II Unit 10 : Fertilization And Physiological Changes In Pregnancy Lecture	1_3229 1_12565	00:16:09 00:10:56
Fertilization and Pregnancy I Fertilization and Pregnancy II Unit 11: Embryology In Brief Lecture	1_3223 1_12564	00:19:37 00:06:54
Embryology In Brief	1_12722	00:10:08
Unit 12:Teratogenesis and teratogenic agents		
Lecture Teratology	1_12729	00:16:42
week 11	1_12/2/	00.10.42
Unit 13: Sex Determination, Differentiation and Development		
Lecture		
Part 01 Part 02	1_12505 1_12506	00:11:28 00:12:17
Unit 14 :Ambiguous Genetalia and X -linked Diseases	1_12300	00.12.17
Lecture Ambiguos Genetalia And X-linked Diseases	1_12723	00:21:29
Unit 15 :Genetics in Obstetrics and Gynecology		
Lecture Genetics in Obstetrics and Gynecology-01 Genetics in Obstetrics and Gynecology-02	1_11436 1_11442	00:28:43 00:28:17
Week 12		20.20
Unit 16: Prenatal Diagnosis		
Lecture		
Pre Natal Diagnosis	1_12469	00:16:43



Lecture		Duration
Week 14		
Cluster 3		
Block 1: Understanding Applications Of Genetics Unit 1:Overview of Cancer Genetics Lecture		
Cancer Genetics Unit 2: Overview of Epigenetics	1_12512	00:23:15
Lecture Epigenetics Unit 3: Dermatology and Genetics	1_13125	00:26:35
Lecture Skin as a Window to Genetic Diseases-01 Skin as a Window to Genetic Diseases-02	1_11226 1_11227	00:17:34 00:15:22
Week 15		
Unit 4: Oncogenes And Tumor Suppressor Genes		
Lecture Tumor Suppressor Genes and Oncogenes	1_13369	00:09:19
Unit 5: Dynamic Mutations		
Lecture Dynamic Mutations	1_13271	00:13:55
Unit 6: Mitochondrial Mutations		
Lecture Mitochondrial mutations	1_13272	00:14:46
Week 16		
Unit 7: Genetic Disorders		
Lecture Genetic Disorders	1_11229	00:31:43
Unit 8: Personalised medicine		
Lecture Understanding Pharmacogenomics and Personalized Medicine	1_12556	00:23:44
Week 17		
Block 2: Genetics and Hematology		
Unit 9: Hemoglobinopathies - Thalassemia, Sickle Cell Anemia Lecture		
Hemoglobinopathies Thalassemia	1_13135 1_13134	00:30:29 00:10:27



Lecture		Duration
Unit 10: Leukemias		
Lecture		
Leukemias-01	1_5237	00:18:03
Leukemias-02	1_5238	00:17:26
Chronic Leukemias-01	1_5258	00:16:34
Chronic Leukemias-02	1_5259	00:14:31
Week 18		
Unit 11: Lymphomas		
Lecture		
Lymphoma-01	1_5013	00:24:12
Lymphoma-02	1_5014	00:22:22
Unit 12: Transfusion Medicine		
Lecture		
Transfusion Medicine-01	1_5638	00:20:24
Transfusion Medicine-02	1_5639	00:19:15
Unit 13: Myelodysplastic Syndrome		
Lecture		
Myelodysplastic Syndrome-01	1_4747	
Myelodysplastic Syndrome-02	1_4748	00:16:53
Myelodysplastic Syndrome-03	1_4749	00:19:46
Block 3: Cancer Genetics		
Unit 14: Apoptosis		
Lecture		
Apoptosis	1_12639	00:13:40
Week 19		
Unit 15: Gene Polymorphism : Diabetes Mellitus, Cancer and Infectious Diseases		
Lecture		
Gene Polymorphism: Diabetes Mellitus, Cancer and Infectious		
Diseases	1_13760	00:26:01
Unit 16: Hereditary Cancer Syndromes		
Lecture		
Hereditary Cancer Syndromes	1_13368	00:22:54
Unit 17: Breast Cancer		
Lecture		
Breast Cancer	1_12622	00:23:35
Unit 18: Cervical Cancer	_	
Lecture	4 43340	00.20.40
Cervical Cancer	1_13249	00:20:18



Lecture		Duration
Week 20		
Unit 19: Endometrial Cancer		
Lecture Endometrial Cancer	1_13248	00:22:33
Unit 20: Head and Neck Cancer		
Lecture Head and Neck Cancer	1_13702	00:09:05
Unit 21: Gastro Intestinal Tract Cancer		
Lecture GIT Cancer	1_13703	00:22:01
Unit 22: Population Genetics		
Lecture Population Genetics	1_13761	00:26:00
Week 21		
Cluster 4		
Block 1 : Cytogenetic Tests Unit 1: Sex chromatin, Karyotyping and FISH Lecture		
Cytogenetics and Molecular Genetics Karyotype and Fish Unit 2: DNA Isolation	1_11230	00:21:10
Lecture Genomic DNA Isolation from Blood Unit 3: Gel Electrophoresis	1_13143	00:07:28
Lecture Gel Electrophoresis Unit 4: Polymerase Chain Reaction	1_13142	00:13:59
Lecture Basics on Polymerase Chain Reaction	1_13140	00:09:48
Unit 5: RFLP/ DNA Fingerprinting Lecture		
Restriction Fragment Length Polymorphism	1_13144	00:08:21
Week 22		
Unit 6: DNA sequencing Technologies		
Lecture DNA Sequencing Technologies-01 DNA Sequencing Technologies-02	1_11540 1_11541	00:19:30 00:18:49
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Unit 7: Comet Assay		



Lecture		Duration
Block 2: Laboratory and Radio diagnosis in Genetic Disorders		
Unit 8: Biochemical Tests Lecture Biochemical Tests	1_13759	00:11:00
Week 23		
Unit 9: Hematological Tests		
Lecture Hematological Tests	1_13756	00:15:01
Unit 10: Pathological Tests		
Lecture Pathological Tests	1_13757	00:09:55
Unit 11: Infertility Tests		
Lecture Infertility Tests	1_13758	00:22:32