

MICROBIOLOGY

1.	31887	Unity of Microbial World (MCB 101.1.1.1).....	30:00
2.	31888	Scope of Microbiology: Diversity (MCB 101.1.2.1).....	29:00
3.	31889	Culture Media (MCB 101. 3.5.1).....	28:00
4.	31890	Types of Culture Media (MCB 101.3.5.2).....	30:00
5.	31891	Cell Surface: Cell Wall (MCB 101.5.4.1).....	24:00
6.	31892	Cell Surface: Cell Membrane and Cell Surface Projections (MCB 101. 5.4.2)	26:00
7.	31897	Scope of Microbiology: Habitat (MCB101.1.2.2)	29:00
8.	31898	Scope of Microbiology: Application (MCB 101.1.2.3)	29:00
9.	31899	Sterilisation Technique-I (MCB 101.3.3.1)	30:00
10.	31900	Sterilisation Technique –II (MCB 101.3.3.2)	26:00
11.	31901	Structure of archaebacteria: General Morphological/ Functional Characteristics (MCB 101.5.1.1)	25:00
12.	31902	Structure of Prokaryotic Cell: General Bacterial Cell Structure (MCB 101. 5.1.4)	24:00
13.	31903	Diversity of Microbial World: Position of Microbes (MCB 101.2.1.1)	30:00
14.	31904	Diversity of Microbial World: Morphological & Structural Diversity (MCB 101.2.1.2)	30:30
15.	31905	Diversity of Microbial World: Metabolic Diversity (MCB 101.2.1.3)	28:00
16.	31906	Diversity of Microbial World: Genetic Diversity (MCB 101.2.1.4)	30:00
17.	31911	Diversified Kingdom of Archaea (MCB 101. 5.1.2)	24:00
18.	31912	Diversified structure and function of Archaeobacteria (MCB 101.5.1.3)	24:00
19.	31913	Beneficial Microbes Part I (MCB 101. 1.4.1)	28:00
20.	31914	Beneficial Microbes Part II (MCB 101.1.4.2)	26:00
21.	31915	Harmful Microbes Part I (MCB 101.1.5.1)	30:00
22.	31916	Harmful Microbes Part II (MCB 101.1.5.2)	25:00
23.	31917	Microscopy I (MCB 101.3.2.1)	29:00
24.	31918	Microscopy II (MCB 101. 3.2.2)	28:00
25.	31922	pH (MCB 101 4.4.1)	21:00
26.	31923	pK (MCB 101 4.4.2)	23:00
27.	31924	Carbohydrates- 1 (MCB 101.4.5.1)	29:00
28.	31925	Carbohydrates-2 (MCB 101.4.5.2)	29:00
29.	31926	Origin of Life (MCB 101.3.1.1)	28:00

30.	31927	Abiogenesis (MCB 101. 3.1.2)	30:00
31.	31928	Introduction to the Structure and Function of plasma membrane (MCB 101.5.2.1)	25:00
32.	31929	Structure of Plasma membrane: Proteins and Carbohydrates (MCB 101. 5.2.2)	26:00
33.	31930	Contributions in Microbiology-1 (MCB 101. 1.6.1)	28:00
34.	31931	Contributions in Microbiology-2 (MCB 101.1.6.2)	29:00
35.	31932	Contributions in Microbiology -3 (MCB 101 1.6.3)	30:00
36.	31933	Contributions in Microbiology -4 (MCB 101 1.6.4)	28:00
37.	31936	RNA – I (MCB 101.4.6.3)	30:00
38.	31937	RNA – 2 (MCB 101.4.6.4)	28:00
39.	31938	Microbiology and Human Health-1(MCB 101.1.3.1)	30:00
40.	31939	Microbiology and Human Health-2 (MCB 101.1.3.2)	29:00
41.	31940	Diversified structure and function in prokaryotes (MCB 101.5.1.5)	23:00
42.	31941	Eukaryotic Cell Surface structure and their variations (MCB 101.5.1.6)	24:00
43.	31942	Eukaryotic Cell Structure: Double Membrane Organelles (MCB 101.5.1.7)	26:00
44.	31943	Eukaryotic Cell Structure: Single Membrane, bound and membrane less Organelles (MCB 101.5.1.8)	29:00
45.	31944	Classification of Fungi- 1 (MCB 101.2.5.1)	24:00
46.	31945	Classification of Fungi -2 (MCB 101.2.5.2)	28:00
47.	31952	Microscopy-III (MCB 101. 3.2.3)	30:00
48.	31953	Microscopy- IV (MCB 101.3.2.4)	28:00
49.	31954	Biogenesis (MCB 101.3.1.3)	30:00
50.	31955	Pure Culture Techniques (MCB 101.3.4.1)	29:00
51.	31956	Introduction to transport across the plasma membrane (MCB 101.5.3.1)	18:00
52.	31957	Active transport across the plasma membrane (MCB 101.5.3.2)	22:00
53.	31964	Preparation of Culture Media: Liquid (MCB P101.1.1)	27:00
54.	31965	Preparation of Culture Media: Solid (MCB P101.1.2)	26:00
55.	31968	Buffer (MCB 101.4.4.3)	23:00
56.	31969	Proteins-1 (MCB 101.4.5.3)	26:00
57.	31970	Microbiology and Human Health-3: Viral Diseases (MCB 1.3.3)	29:00
58.	31971	Microbiology and Human Health-4: Fungal and Prozoal Diseases (MCB 101. 1.3.4)	30:00
59.	31972	Energy Generation and transformation –Part 3: MCB 101.5.5.3)	21:00
60.	31973	Bulk transport across plasma membrane (MCB 101. 5.3.3)	28:00
61.	31976	Classification of Fungi-Part III (MCB 101.2.5.3)	24:00

62.	31977	Classification of Fungi-Part IV (MCB 101.2.5.4)	29:00
63.	31978	Classification of Fungi- Part V (MCB 101. 2.5.5)	24:00
64.	31979	Classification of Virus – Part I (MCB 101. 2.2.1)	27:00
65.	31982	Energy generation and transformation –I (MCB 101. 5.5.1)	21:00
66.	31983	Energy generation and transformation –II (MCB 101. 5.5.2)	24:00
67.	31984	Structure and Function of Bacterial Cell Wall: Gram Positive and Gram Negative Bacteria (MCB 201.1.1.1)	25:00
68.	31985	Structure and Function of Bacterial Cell Wall: Other Pro Kariots (MCB 201. 1.1.2)	24:00
69.	31994	Sterilization Technique (MCB P101.2.1)	26:00
70.	31995	Simple Staining (MCB P101.5.1)	28:00
71.	32000	Reactions of the Biological System-1 (MCB 101.4.4.4)	22:00
72.	32001	Reactions of the Biological System- 2 (MCB 101.4.4.5)	29:00
73.	32002	Proteins-2 (MCB 101.4.5.4)	30:00
74.	32003	Proteins-3 (MCB 101.4.5.5)	29:00
75.	32004	Quantitative Estimation of DNA and RNA by Sugar Measurement Method (MCBP101.7.1)	30:00
76.	32005	Differential Staining (MCBP101.5.2)	30:00
77.	32012	Sexual Reproduction in Bacteria-1 (MCB 201.4.3.1)	30:00
78.	32013	Sexual reproduction in Bacteria -2 (MCB 201.4.3.2)	29:00
79.	32014	Protein Metabolism- an overview (MCB 201.2.2.1)	20:00
80.	32015	Protein Metabolism- Degradation of amino acids, Urea Cycle and inborn errors in metabolism (MCB 201.2.2.2)	24:00
81.	32016	Lipid Metabolism – an overview (MCB 201.2.3.1)	23:00
82.	32017	Lipid Metabolism- Oxidation of unsaturated fatty acids, oxidation of Odd-chain fatty acids and ketogenesis (MCB 201.2.3.2)	28:00
83.	32018	Isolation of Single Colonies on Solid Media (MCB P101.3.1)	23:00
84.	32019	Enumeration of Bacterial Numbers by Serial Dilution (MCB P101.4.1)	24:00
85.	32020	Estimation of Blood Glucose (MCB P101.9.1)	29:00
86.	32021	Estimation of Serum Cholesterol (MCB P101.10.1)	30:00
87.	32022	Cyanobacteria –Part 1 (MCB 101.2.3.1)	27:00
88.	32023	Cyanobacteria –Part2 (MCB 101.2.3.2)	30:00
89.	32030	Antibiotic Resistance in Bacteria (MCB P101.6.1)	29:00
90.	32031	Protein Estimation (MCB P101.8.1)	23:00
91.	32032	Liver Function Tests (MCB P101.11.1)	26:00

92.	32033	Estimation of Bilirubin (MCB P101.12.1)	24:00
93.	32034	Carbohydrate Metabolism-1 (MCB 201.2.1.1)	26:00
94.	32035	Carbohydrate Metabolism-2 (MCB 201. 2.1.2)	19:00
95.	32036	Carbohydrate Metabolism – 3 (MCB 201.2.1.3)	22:00
96.	32037	Carbohydrate Metabolism -4 (MCB 201. 2.1.4)	22:00
97.	32038	Microbial Toxin-1 (MCB 201. 2.7.1)	26:00
98.	32039	Microbial Toxin-2 (MCB 201. 2.7.2)	24:00
99.	32040	Microbial Toxin- 3 (MCB 201. 2.7.3)	24:00
100.	32041	Microbial Toxin-4 (MCB 201. 2.7.4)	23:00
101.	32042	DNA-1 (MCB 101.4.6.1)	26:00
102.	32043	DNA-2 (MCB 101.4.6.2)	30:00
103.	32044	Classification of Virus-2 (MCB 101.2.2.2)	30:00
104.	32045	Classification of Virus-3 (MCB 101.2.2.3)	25:00
105.	32046	Biosynthesis and Degradation of Bacterial Cell Wall (MCB 201.1.1.3)	30:00
106.	32047	Asexual Reproduction in Bacteria-1 (MCB 201.1.3.1)	24:00
107.	32048	Asexual Reproduction in Bacteria-2 (MCB 201.1.3.2)	28:00
108.	32049	Asexual Reproduction in Bacteria-3 (MCB 201.1.3.3)	26:00
109.	32062	Lipids (MCB 101.4.5.6)	26:00
110.	32063	Molecules of living system-1 (MCB 101.4.2.1)	30:00
111.	32064	Prokaryotic Gene Expression-1 (MCB201.4.8.1)	30:00
112.	32065	Prokaryotic Gene Expression-2 (MCB201.4.8.2)	30:00
113.	32066	Microbial Hormones-Bacteria (MCB201.2.8.1)	26:00
114.	32067	Microbial Hormones-Algae (MCB201.2.8.2)	25:00
115.	32068	Microbial Hormones-Fungi (MCB201.2.8.3)	24:00
116.	32069	Microbial Hormones- Protozoa (MCB201.2.8.4)	29:00
117.	32072	Molecules of Living Systems -2 (MCB 101.4.2.2)	25:00
118.	32073	Molecules of Living Systems -3 (MCB 101.4.2.3)	28:00
119.	32082	Dry weight/wet weight of Penicillin (MCB P201.2.1)	27:00
120.	32083	Physiology and Phases of Bacterial growth (MCB 201.1.2.1)	29:00
121.	32084	Antibiotic Plate Assay- artificial (MCB P201.3.1)	28:00
122.	32085	Antibiotic Plate Assay-natural (MCB P201.3.2)	26:00
123.	32086	Sexual Reproduction in Bacteria -3 (MCB 201.4.3.3)	30:00
124.	32087	DNA Damage Repair System: III (MCB 201. 4.6.3)	30:00
125.	32092	Classification of Bacteria –Part 1 (MCB 101. 2.4.1)	23:00

126.	32093	Classification of Bacteria –Part 2 (MCB 101. 2.4.2)	30:00
127.	32094	Classification of Bacteria –Part 3 (MCB 101. 2.4.3)	26:00
128.	32095	Classification of Yeast –Part 1 (MCB 101. 2.6.1)	22:00
129.	32110	Induction of Lac Operon: ONPG Assay (MCB P201.6.1)	25:00
130.	32111	Induction by IPTG Leading to overexpression of Protein in E.coli (MCB P201.6.2)	29:00
131.	32112	Replication of Chromosomes and Cell Division-1(MCB201.1.4.1)	27:00
132.	32113	Replication of Chromosomes and Cell Division (Prokaryotic Cell (MCB201.1.4.2)	28:00
133.	32114	Transformation of E-coli Cells by the Plasmid DNA (MCB P201.41)	25:00
134.	32115	Determination of Phage Titre by plating Method (MCB P201.5.1)	21:00
135.	32116	Factors affecting the rate of bacterial growth (MCB 201.1.2.2)	30:00
136.	32117	Mathematics and measurement of bacterial growth (MCB 201. 1.2.3)	29:00
137.	32118	Prokaryotic Gene Regulation -2 (MCB 201.4.8.3)	30:00
138.	32119	Model of Recombination (MCB 201.4.1.1)	28:00
139.	32120	Vitamins: an overview (MCB 201.2.9.1)	18:00
140.	32121	The ‘B’ Vitamins (MCB 201. 2.9.2a)	27:00
141.	32122	DNA Damage Repair Systems -1 (MCB 201. 4.6.1)	29:00
142.	32123	DNA Damage repair Systems – 2 (MCB 201. 4.6.2)	28: 00
143.	32124	Elements, Atoms, Molecules and Chemical Bonds (MCB 101.4.2.6)	28:00
144.	32125	Plasmids -1 (MCB 201.3.1.1)	28:00
145.	32126	Bacterial Conjugation Through the Transfer of Genes Coding for Antibiotic resistance (MCB P201.7.1)	26:00
146.	32127	Determination of Growth Phase of Escherichia coli by Measurement of OD and Cfu (MCB P202.1.1)	27:00
147.	32128	Protein Metabolism -3 (MCB 201.2.2.3)	26:00
148.	32129	Lipid Metabolism -3 (MCB 201. 2.3.3)	30:00
149.	32130	Bacterial Toxin -1[Endotoxin] (MCB201.2.6.1)	20:00
150.	32131	Bacterial Toxin -2 [Exotoxin] (MCB 201.2.6.2)	25:00
151.	32132	Carbohydrate Metabolism -5 (MCB 201. 2.1.5)	27:00
152.	32133	Antibiotics preventing Cell wall Synthesis (MCB 201. 2.4.3)	24:00
153.	32134	T4 Bacteriophage (MCB 201.3.2.1)	26:00

154.	32135	Bacteriophage Lambda -1 (MCB 201. 3.2.2)	26:00
155.	32136	Vitamin B Complex [Vitamin B6- B12] (MCB 201. 2.9.2b)	24:00
156.	32137	Vitamin C (MCB 201. 2.9.3)	20:00
157.	32138	Gene Expression –IV (MCB 201. 4.8.4)	29:00
158.	32139	Gene Expression –V (MCB 201. 4.8.5)	30:00
159.	32140	Gene Expression –VI (MCB 201. 4.8.6)	30:00
160.	32141	Gene Expression –VII (MCB 201. 4.8.7)	30:00
161.	32142	Molecules of Living System –IV (MCB 101. 4.2.4)	25:00
162.	32143	Molecules of Living System –V (MCB 101. 4.2.5)	21:00
163.	32144	Bacterial transformation -1 (MCB 201. 4.4.1)	28:00
164.	32145	Bacterial Transformation -2 (MCB 201. 4.4.2)	25:00
165.	32146	Prokaryotic Genome Analysis (MCB 201. 4.2.1)	29:00
166.	32147	Eukaryotic Haploid Genome (MCB 201. 4.2.2)	30:00
167.	32148	Microbial Toxin: Protozoa (MCB 201. 2.7.5)	29:00
168.	32149	Historical Perspectives of Molecular Biology -3 (MCB 301.1.1.3)	21:00
169.	32150	Dam and Dem Methylase (MCB 201. 4.7.3)	26:00
170.	32151	Classification of Yeast -2 (MCB 101.2.6.2)	28:00
171.	32152	Classification of Algae -1 (MCB 101.2.7.1)	25:00
172.	32153	Classification of Algae -2 (MCB 101.2.7.2)	29:00
173.	32154	Classification of Algae -3 (MCB 101.2.7.3)	21:00
174.	32155	Classification of Algae -4 (MCB 101.2.7.4)	23:00
175.	32156	Bacterial Genetics-3: Transduction – Part 1	30:00
176.	32157	Bacterial Genetics-4: Transduction – Part 2	28:00
177.	32158	Bacterial Genetics-5: Specialised Transduction	28:00
178.	32159	Genetic Analysis of Recombination in Bacteria (MCB 201.4.1.2)	28:00
179.	32160	Vitamin D (MCB 201.2.9.4)	20:00
180.	32161	Vitamin A, E and K (MCB 201.2.9.5)	24:00
181.	32162	Mutation – Part 1 (MCB 201.5.1.1)	21:00
182.	32163	Mutation – Part 2 (MCB 201. 5.2.1)	24:00

183.	32164	Secondary Metabolites I- Antibiotics (MCB 201. 2.4.1)	30:00
184.	32165	Secondary Metabolites II- β -lactam family of antibiotics (MCB 201. 2.4.2)	28:00
185.	32166	Transposons and Transposition in Prokaryotes (MCB 201. 3.3.1)	27:00
186.	32167	Transposons and Transposition in Eukaryotes (MCB 201. 3.3.2)	28:00
187.	32168	Bacteriophage Lambda 2 (MCB 201. 3.2.3)	27:00
188.	32169	Bacteriophage M13 (MCB 201. 3.2.4)	20:00
189.	32170	DNA Repair and Restriction: Restriction Enzyme- Part 1 (MCB 201. 4.7.1)	29:00
190.	32171	DNA Repair and Restriction: Restriction Enzyme – Part 2 (MCB 201. 4.7.2)	27:00
191.	32172	Bacterial Conjugation – I (MCB 201. 4.5.1)	23:00
192.	32173	Bacterial Conjugation – 2 (MCB 201. 4.5.2)	26:00
193.	32174	Mutation – Part 3 (MCB 201. 5.3.1)	22:00
194.	32175	Mutation – Part 4 (MCB 201. 5.4.1)	20:00
195.	32180	Plasmids 2 (MCB 201. 3.1.2)	28:00
196.	32181	Plasmids 3 (MCB 201. 3.1.3)	26:00
197.	32182	Mutation –Part 5 (MCB 201. 5.4.2)	21:00
198.	32183	Mutation –Part 6 (MCB 201. 5.4.3)	23:00
199.	32184	Mutation –Part 7 (MCB 201. 5.4.4)	22:00
200.	32185	Mutation –Part 8 (MCB 201. 5.5.1)	24:00
201.	32194	Bacteriophage phi X 174 (MCB 201. 3.2.5)	18:00
202.	32195	Applications of transposons in Modern Biology (MCB 201. 3.3.3)	28:00
203.	32200	Mutation –Part 13 (MCB 201. 5.7.1)	21:00
204.	32201	Mutation – Part 14 (MCB 201. 5.8.1)	18:00
205.	32202	Mutation – Part 9 (MCB 201. 5.6.1)	24:00
206.	32203	Mutation – Part 10 (MCB 201. 5.6.2)	25:00
207.	32204	Mutation – Part 11 (MCB 201. 5.6.3)	25:00
208.	32205	Mutation – Part 12 (MCB 201. 5.6.4)	25:00
209.	32186	Staphylococcus Aureus (MCB 302. 4.1.1)	26:00
210.	32187	Streptococcus pneumoniae (MCB 302. 4.2.1)	25:00

211.	32188	Vibrio Cholerae (MCB 302. 4.5.1)	24:00
212.	32189	Entamoeba Histolytica (MCB 302. 4.8.1)	30:00
213.	32190	Malaria (MCB 302. 4.9.1)	30:00
214.	32191	Introduction to Salmonella (MCB 302. 4.41)	25:00
215.	32192	Introduction to HIV (MCB 302. 4.6.1)	26:00
216.	32193	Management of HIV (MCB 302. 4.6.2)	29:00
217.	32196	History of Immunology –I (MCB 302. 1.1.1)	28:00
218.	32197	History of Immunology –II (MCB 302. 1.1.2)	25:00
219.	32198	Isolation of plasmid DNA from bacterial Cells (MCB P301. 4.1)	30:00
220.	32199	Determination of COD and BOD of water sample (MCB P303. 3.4)	26:00
221.	32206	The identification and Characterisation of E.coli (MCB P302.9.2)	27:00
222.	32207	Isolation of Micro-Organism from Curd (MCB P304.1.4)	25:00
223.	32208	Isolation of Genomic DNA from Gram Negative bacteria E.coli (MCB P301.3.1)	24:00
224.	32209	Genomic DNA isolation from Blood (MCB P301. 3.3)	26:00
225.	32210	History of Immunology –III (MCB 302.1.1.3)	30:00
226.	32211	History of Immunology –IV (MCB 302.1.1.4)	27:00
227.	32212	Natural Barriers in Human Body (MCB 302.1.21)	26:00
228.	32213	Cells, Organs and Receptors of Immune System (MCB 302.1.3.1)	27:00
229.	32214	Model Organisms –I (MCB 301. 1.2.1)	27:00
230.	32215	Model Organisms –II (MCB 301. 1.2.2)	20:00
231.	32216	Immunoglobulin: Types, Structure & Functions –I (MCB 302. 2.1.1)	23:00
232.	32217	Immunoglobulin: Types, Structure & Functions –II (MCB 302. 2.1.2)	25:00
233.	32218	Cell-mediated Immunity (MCB 302. 1.5.1)	26:00
234.	32219	Humoral Immunity (MCB 302. 1.5.2)	28:00
235.	32176	Animal Handling (MCB P302. 5.1)	21:00
236.	32177	Animal Cell Culture (MCB P302. 5.2)	29:00
237.	32178	Single Radial Immunodiffusion and Immunoelectrophoresis (MCB P302.8.1)	23:00
238.	32179	Isolation of pathogenic Staphylococcus aureus (MCB P303.9.1)	23:00
239.	32220	Antigen-antibody and Immunogenicity (MCB 302.1.4.1)	26:00
240.	32221	MHC and Monoclonal Antibody (MCB 302.1.6.1)	26:00

241.	32222(A)Model Organisms –III (MCB 301.1.2.3)	22:00
242.	32223 Model Organisms –IV (MCB 301. 1.2.4)	22:00
243.	32224 DNA isolation from Fungi and Plant Tissues (MCB P301.3.2)	23:00
244.	32225 Simple Cloning Using plasmid DNA Vector (MCB P301.5,1)	27:00
245.	32226 Separations of Serum Protein by Electrophoresis (MCB P302.8.2)	23:00
246.	32227 Enzyme Linked Immunosorbent Assay (MCB P302. 8.3)	22:00
247.	32228 Isolation of Protozoa from Soil (MCB P303.1.2)	23:00
248.	32229 Isolation of Rhizobium spp. AND Frankia spp. From Soil (MCB P303.1.5)	25:00
249.	32230 Preparation of Buffer (MCB P302.4.1)	27:00
250.	32231 Study of Microbial Diversity (MCB P303.4.2)	27:00
251.	32232 Testing Water Potability and MPN+IMVIC (MCB P303.3.1)	27:00
252.	32233 Dye reductase test for milk: Methylene Blue Reduction Test (MCB P304.1.3)	30:00
253.	32234 Preparation of Different Culture Media for Growing Pathological Bacteria-1 (MCB P302.2.1)	28:00
254.	32235 Preparation of Different Culture Media for Growing Pathological Bacteria-II (MCB P302.2.2)	30:00
255.	32236 Different airborne fungal diseases, symptoms and remedies-2 (MCB 303.1.3.2)	24:00
256.	32237 Different airborne fungal diseases, symptoms and remedies-3 (MCB 303.1.3.3)	19:00
257.	32238 Heredity in Prokaryotes (MCB 301. 3.2.1)	21:00
258.	32239 DNA Replication (MCB 301. 3.3.1)	24:00
259.	32240 Haemagglutination and Hemolysis (MCB P302.7.1)	20:00
260.	32241 Albert Staining and Giemsa Staining (MCB P302.3.1)	24:00
261.	32242 Fermented Dairy Products-I (MCB 304.4.3.1)	20:00
262.	32243 Fermented Dairy Products-II (MCB 304.4.3.2)	19:00
263.	32244 Historical Perspective o molecular Biology-I (MCB 301.1.1.1)	19:00
264.	32245 Historical Perspective o molecular Biology-II(MCB 301.1.1.2)	19:00
265.	32246 Protein Structure –I (MCB 301. 2.2.1)	22:00
266.	32247 Protein Structure –II (MCB 301. 2.2.2)	26:00
267.	32248 Protein Structure –III (MCB 301.2.2.3)	22:00
268.	32249 Protein Structure –IV (MCB 301.2.2.4)	21:00
269.	32250 Nucleic Acid –I (MCB 301. 2.4.1)	22:00
270.	32251 Nucleic Acid – II (MCB 301. 2.4.2)	21:00

271.	32252	Dermatophytes (MCB 302. 4.10.1)	18:00
272.	32253	Hepatitis Virus (MCB 302. 4.7.1)	28:00
273.	32254	Protein Structure –V (MCB 301. 2.2.5)	25:00
274.	32255	Protein Structure –VI (MCB 301. 2.2.6)	27:00
275.	32256	Elements of Chemotherapy and different antimicrobial Drugs –I (MCB 302. 5.1.1)	25:00
276.	32257	Elements of Chemotherapy and different antimicrobial Drugs –II (MCB 302. 5.1.2)	25:00
277.	32258	Elements of Chemotherapy and different antimicrobial Drugs –III (MCB 302. 5.1.3)	24:00
278.	32259	Mechanism of Antibacterial Resistance (MCB 302. 5.2.1)	23:00
279.	32260	Bacteria in Food Production -2 (MCB 304. 1.2.4)	23:00
280.	32261	Physical Methods of Food Preservation -2 (MCB 304. 1.3.2)	22:30
281.	32262	Physical Methods of Food Preservation -1 (MCB 304. 1.3.1)	24:00
282.	32263	Bacteria in Food Production -1 (MCB 304. 1.2.3)	22:00
283.	32264	Cheese –I (MCB 304. 4.1.1)	25:00
284.	32265	Cheese –II (MCB 4.1.2)	23:00
285.	32266	Vinegar (MCB 304. 4.2.1)	23:00
286.	32267	Fermented Oriental Products –I (MCB 304. 4.2.2)	20:00
287.	32222	Mutation – Part 15 (MCB 201.5.9.1)	20:00
288.	32326	Mycobacterium Tuberculosis (MCB 302.4.3.1)	24:00
289.	32270	General Principles of Spoilage and Food Borne Infection-1 (MCB 304.2.1.1)	18:00
290.	32271	General Principles of Spoilage and Food Borne Infection-II (MCB 304.2.1.2)	19:00
291.	32272	Physical Methods of Food Preservation -3 (MCB 304. 1.3.3)	21:00
292.	32273	Chemical Preservation and Food Additives (MCB 304. 1.4.1)	24:00
293.	32274	Moulds in Food Production (MCB 304. 1.2.1)	20:00
294.	32275	Yeasts in Food Production (MCB 304. 1.2.2)	26:00
295.	32276	Cheese – 3 (MCB 304. 4.1.3)	23:00
296.	32277	Bread (MCB 304. 4.1.4)	21:00
297.	32278	Fermented Oriental Products -2(MCB 304. 4.2.3)	21:00
298.	32279	Contamination of Canned Food and Sea Food Spoilage (MCB 304. 2.2.1)	25:00
299.	32280	Bacterial and Non -bacterial Toxins in the Food (MCB 304. 2.4.1)	27:00
300.	32281	Spoilage of Meat and Milk Products (MCB 304. 2.3.1)	28:00

301.	32282	Cultivation of Edible Mushroom (MCB 304. 4.6.1)	23:00
302.	32283	Introduction to Industrial Microbiology (MCB 304. 3.1.1)	24:00
303.	32284	Screening and Strain Improvement – 1(MCB 304. 3.2.1)	18:00
304.	32285	Screening and Strain Improvement – 1I(MCB 304. 3.2.2)	18:00
305.	32286	Fermented Beverages (Beer & Wine) (MCB 304. 4.5.1)	26:00
306.	32287	Media Preparation and Industrial Sterilization (MCB 304. 3.3.1)	27:00
307.	32288	Fermentation Equipment and Uses (MCB 304. 3.4.1)	24:00
308.	32289	Introduction to Industrial Fermentation (MCB 304. 5.1.1)	22:00
309.	32294	Vaccines (MCB 304. 5.5.1)	18:00
310.	32295	Recombinant Vaccines (MCB 304. 5.5.2)	18:00
311.	32268	Single Cell Protein (MCB 304.4.4.1)	23:00
312.	32269	Introduction of Food Microbiology (MCB 304. 1.1.1)	22:00
313.	32290	Fermentation Types –I (Batch, Fed-Batch & Continuous) (MCB 304. 3.5.1)	26:00
314.	32291	Fermentation Types –II (Surface, Submerged and Solid State)(MCB 304. 3.5.2)	26:00
315.	32292	Antibiotic Production (Penicillin, & Streptomycin) (MCB 304. 5.4.1)	25:00
316.	32293	Industrial Enzymes (MCB 304. 5.2.1)	20:00
317.	32296	Fermentative Products (Amino Acids & Vitamins) (MCB 304. 5.3.1)	20:00
318.	32297	Mendelian and Post Mendelian Genetics (MCB 301. 3.1.1)	25:00
319.	32298	Nucleic Acid -3 (MCB 301. 2.4.3)	19:00
320.	32299	Nucleic Acid – 4: Tertiary and higher order Structure of Nucleic Acids (MCB 301. 2.4.4.)	22:00
321.	32300	Enzyme- Characteristics, Properties and Significance (MCB 301. 2.5.1)	24:00
322.	32301	Enzyme –II: activity, purification, assay and unit (MCB 301. 2.5.2)	26:00
323.	32302	Gene Cloning with different Vectors -1 (MCB 301. 5.1.1)	22:00
324.	32303	Gene Cloning with different Vectors -2 (MCB 301. 5.1.2)	26:00
325.	32304	Basics of Molecular Biology (MCB 301. 1.3.1)	22:00
326.	32305	Carbohydrates (MCB 301. 2.3.1)	19:00
327.	32306	Eukaryotic Transcription (MCB 301. 3.4.1)	26:00
328.	32307	Eukaryotic Translation (MCB 301. 3.4.2)	23:00
329.	32308	Enzyme –III: Enzyme kinetics, regulation and Catalysis (MCB 301. 2.5.3)	20:00
330.	32309	The Genetic Code (MCB 301. 3.5.1)	18:00
331.	32310	Selection and Screening of Recombinant Colonies (MCB 301.5.4.1)	20:00
332.	32311	Principle and Methods of DNA Sequencing (MCB 301. 5.5.1)	20:00

333.	32312	Restriction Enzymes and its Functional Use (MCB 301. 4.2.1)	20:00
334.	32313	Restriction and ligation of Vectors (MCB 301.5.2.1)	20:00
335.	32314	Isotype Switching and antibiodiversity (MCB 302.2.2.1)	25:00
336.	32315	Control of Viruses and Eukaryotic Pathogens (MCB 302. 5.5.1)	26:00
337.	32316	Salmonella: Molecular Aspects of Pathogenesis (MCB 302. 4.4.2)	24:00
338.	32317	Emergence of Multidrug Resistant Salmonella (MCB 302. 4.4.3)	25:00
339.	32318	Different airborne Fungal Diseases symptoms and remedies –I(MCB 303.1.3.1)	26:00
340.	32319	Different airborne Bacterial Diseases symptoms and preventive Measures (MCB 303.1.1.1)	22:00
341.	32320	Soil Structure, Classification, Components, Functions (MCB 303.2.1.1)	20:00
342.	32321	Rhizosphere organisms and their interaction and functions (MCB 303. 2.2.1)	26:00
343.	32322	Phyllosphere organisms, interaction and functions (MCB 303.2.3.1)	23:00
344.	32323	Biofertilizers and its Uses (MCB 303. 2.4.1)	22:00
345.	32324	Cytokines (MCB 302. 3.1.1)	18:00
346.	32325	Hypersensitivity (MCB 3.2.1)	26:00
347.	32327	Antimicrobial Drugs- Part I (MCB 302. 5.7.1)	22:00
348.	32328	Antimicrobial Drugs- Part II (MCB 302. 5.7.2)	23:00
349.	32329	Mechanism of Antiviral Drugs (MCB 302. 5.3.1)	24:00
350.	32330	Antifungal Drugs (MCB 302. 5.4.1)	21:00
351.	32341	Rapid test for Microbial Susceptibility (MCB 302. 5.6.1)	25:00
352.	32331	Concept of Biodegradation, Bioaccumulation, and Biopesticides (MCB 303.3.3.1)	27:00
353.	32332	Water Food Chain, Upwelling and eutrophication (MCB 303.4.2.1)	18:00
354.	32333	Different Methods of Water Purification (MCB 303.4.4.1)	21:00
355.	32334	Water quality and Potability and Microbial assessment of Water Quality (MCB 303.4.3.1)	25:00
356.	32335	Airborne Viral Diseases, Symptoms and Treatment (MCB 303. 1.2.1)	26:00
357.	32336	Liquid waste management and application of composting (MCB 303.5.2.1)	19:00
358.	32337	Solid Waste Management (MCB 303. 5.1.1)	17:00
359.	32338	Different Water borne diseases (MCB 303. 4.5.1)	28:00
360.	32339	Phosphorus and Sulphur Cycle (MCB 303. 3.2.1)	29:00
361.	32340	Different types of Aquatic Ecosystems (MCB 303. 4.1.1)	27:00
362.	.32342	Nitrogen Fixation and role of nif and nod genes (MCB 303. 2.5.1)	24:00

363. 32343 Carbon Cycle, Nitrogen Cycle (MCB 303. 3.1.1)

20:00