Biology CET

Sr	Topic	SubTopic
1	Biomolecules	Carbohydrates
2		Lipids
3		Protein
4		Nucleic acid
5		Enzymes
6		Concept of metabolism
7		Secondary metabolites
8	Respiration and energy transfer	Formation of ATP
9		Anaerobic respiration
10		Aerobic respiration
11		Utility of stepwise oxidation
12	Human nutrition	Human digestive system
13		Histological structure of alimentary canal
14		Digestive glands
15		Physiology of Digestion
16		Absorption, assimilation and egestion
17		Nutritional disorders and disorders of digestive system
18	Excretion and Osmoregulation	Excretion and excretory products
19		Excretory system in human beings
20		Urine formation
21		Concentration of urine
22		Composition of urine
23		Role of other organs in excretion
24		Disorders and diseases
25	Molecular basis of inheritance	Discovery of DNA
26		The genetic material is DNA
27		DNA packaging
28		DNA replication
29		Protein synthesis
30		Operon concept
31		Genomics
32		Human genome project
33		DNA fingerprinting
34	Plant growth and mineral nutrition	Plant growth
35		Phase of growth
36		Conditions for growth
37		Growth rate and types of growth
38		Growth curve
39		Differentiation,dedifferentiation and redifferentiation
40		Development
41		Plasticity
42		Growth hormones
43		Photoperiodism

44		Vernalization
45		Mineral nutrition
46		Nitrogen cycle
47	Chemical coordination	Endocrine system
48		Major endocrine glands
49	Biotechnology	Biotechnology
50		Principal and processes of biotechnology
51		Methodology for r-DNA technology
52		Effects of biotechnology on the environment
53		Effects of biotechnology on human health
54		Bioethics,biopatent and biopiracy
55	Organism and population	Organism and the environment around
56		Major abiotic factors
57		Adaptations
58		Population
59		Population interaction
60	Ecosystem and energy flow	Ecosystem
61		Energy flow
62		Ecological pyramids
63		Nutrients cycle
64		Ecological succession
65		Ecosystem services
66	Biodiversity, conservation and environmental issues	Level of diversity
67		Patterns of biodiversity
68		Biodiversity current scenario
69		Loss of biodiversity
70		Conservation of biodiversity
71		Biological diversity act,2002
72		Environmental issues
73		Green house effect
74		Ozone depletion
75		Deforestation
76		Mission harit Maharashtra
77	s Reproduction in Lower and higher plants	Asexual reproduction
78		Sexual reproduction
79		Microsporogenesis
80		Structure of anatropous ovule

81		Megasporogenesis
82		Pollination
83		Pollen pistill interaction
84		Double fertilization
85		Development of embryo
86		Seed and fruit Development
87		Apomixis
88		Parthenocarpy
89		Polyembryony
90	Inheritance and variation	Chromosome and mechanism of inheritance
91		Genetic terminology
92		Mendels law of inheritance
93		Back cross and test cross
94		Deviation from mendel's findings
95		Chromosomal theory of inheritance
96		Chromosomes
97		Linkage and crossing over
98		Autosomal inheritance
99		Sex linked inheritance
100		Sex determination
101		Genetic disorders
102	Reproduction in lower and higher animals	Asexual reproduction in animals
103		Sexual reproduction in animals
104		Menstrual cycle
105		Gametogenesis
106		Fertilization
107		Embryogenic development
108		Pregnancy
109		Placenta
110		Parturition
111		Lectation
112		Reproductive health
113		Birth control
114		STD
115	Origin and evolution	Infertility
116		Origin of life
117		Chemical evolution of life
118		Organic evolution
119		Darwinism
120		Mutation theory
121		Synthetic theory of evolution
122		Mechanism of organic evolution
123		Hardy weinbergs principal
124		Adaptive radiation
125		Evidence of organic evolution
126		Speciation

127		Geological time scale
128		Human evolution
129	Plant water relation	Properties of water
130		Water absorbing organ
131		Water available to root for absorption
132		Absorption of water by roots from soil
133		Water potential
134		Plasmolysis
135		Path of water across the root
136		Mechanism of absorption of water
137		Translocation of water
138		Transport of mineral ions
139		Transport of food
140		Transpiration
141		Structure of stomatal Apparatus
142	Respiration and circulation	Organs of respiratory exchange
143		Human respiratory system
144		Mechanism of respiration
145		Regulation of breathing
146		Modified respiratory moments
147		Common disorder of respiratory system
148		Transportation of living organisms
149		Circulation in animals
150		Circulatory system in human
151		Red blood cells
152		WBC
153		Platelets
154		Heart
155		Working mechanism of heart
156		Blood vessels
157		Electrocardiogram
158		Lymphatic system
159	Control and coordination	Nervous coordination
160		Nervous system in hydra
161		Nervous system in palanaria
162		Synaps
163		Transmission of nerve impulse
164		Human nervous system
165		Sensory receptors
166		Disorder of nervous system
167	Human health and diseases	Immunity
168		Structure of antibody
169		Common human diseases
170		Adolescence
171		Addiction
172		Drug abuse
173	Enhancement of food production	Improvement in food production
174		Plant breeding

175		Tissue culture
176		SCP
177		Bio fortification
178		Animal husbandry
179		Microbes in human welfare
180		Role of microbes industrial production
181		Microbes in sewage treatment
182		Microbes in energy generation
183		Role of microbes as biocontrol agents
184		Role of microbes as biofertilizers