

Month/week

Topics

JULY

19-21

Nucleic acids convey Genetic Information

26-28

DNA as carrier of Genetic Information

AUGUST

2-4

DNA Double helix, Genetic code

9-11

Direction of Protein Synthesis, central dogma

16-18

DNA structure, Types, Topology

23-25

RNA structure

30-31

DNA organelle mitochondria and chloroplast

SEPTEMBER

1

Test, Group Discussion

6-8

Genome in Prokaryotes.

13-15

Virus, Eukaryotes, Chromosome Diversity

20-22

Duplication, Nucleosome

27-29

Chromatin structure, special chromosomes

OCTOBER

4-6

DNA Synthesis,

11-13

Replication of DNA (Prokaryotes and Eukaryotes)

18-20

RNA Priming

25-27

Enzymes involved in replication

NOVEMBER

1-3

The Mutability and Repair of DNA

6-13 DIWALI BREAK

15-17

Test, Group discussion, Revision.

16 - 21	Bacteria General characters, structure
23 - 28	Nutrition, Reproduction, Economic Impo
30	Group discussion
AUGUST	
1 - 4	Cyanobacteria, Nostoc, General account.
6 - 11	General characters, classification, Economic Impo of Algae.
13 - 18	Volvox, structure, Reproduction, Life cycle.
20 - 25	Oedogonium, str. upto Life cycle, Vaucheria
27 - 31	(Xanthophyceae), Ectocarpus (Phaeophyceae) Lif
SEPTEMBER	
1 - 8	Polysiphonia upto Life cycle, Virus, TMV, Lic
10 - 15	General characters, classification of fungi, Econom
17 - 22	Phytophthora, Mucor, Penicillium Life his
24 - 29	Puccinia, Agaricus, Colletotrichum Life his
	Test, Group discussion
OCTOBER	
1 - 6	The cell Envelop structure, function of cell w
8 - 13	Structure of Nucleus, Golgi Apparatus, Endoplasmic
15 - 20	Chloroplast, Mitochondria, Lysosomes, Peroxisome
22 - 27	cell division Mitosis and Meiosis. chromos
29 - 31	structure, centromere, Telomere, Test, G.
NOVEMBER	
1 - 3	Chromosome alteration deletion, Transloca
5 - 10	Variation, Sex determination.
	6 to 13 DIWALI BREAK
12 - 17	Test, Group discussion, Revision. 