SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

Class: B.Sc 3rd Yr Med LESSON-PLAN
Subject: Ecology & Evolution
Semester: ODD/EVEN
Session: 2020-21

Lecture Number	Topic
I	Origin of universe. Theories of origin of Life
2.	Modern chemosynthetic Theory
3	Experimental proof of simple organic compounds
4.	Origin of primitive Prokaryotic life & Evolution of Prokaryotic life.
5	Oxygen Revolution, Impact of Photo synthesis
6.	Eukaryotes, Characteristics of Eukaryotic cell, origin of Eukaryotic cells & Theories of origin of Eukaryotes.
7.	Evidences of organic Evolution Homologous organ
8.	Analogous organs.
9.	connecting link, Vestigial organs Atavism
10	Similar Vertebrate organs, Embryological evidences
11.	Retrogressive metamorphosis, Palaeontological evidences, Biochemical Evidences
12.	Biogeographical Evidences
13.	LAMARCKISM & Neolamarkism
14.	Theory of Natural selection
15	mutation Theory of evolution & Neo Darwinism
16	Reproductive Isolation, Examples of Natural selection.

Signature:

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

Class: BSc 3rd yr. (Med) LESSON-PLAN

Subject: Ecology & Evolution

Semester: ODD/EVEN

Session: 2020-21

Lecture Number	Topic
17	Micro-evolution & MACRO evolution
18	Mega evolution
19.	concept of species
20	Post mating mechanism & Role of Natural selection in speciation
21	Phylogeny of Horse - I
22.	phylogeny of Horse - II
23	Human evolution - I
24.	Human evolution - II
25.	Ecology Introduction and Basic concepts
26	Habitat, microhabitat & Ecological Niche
27	ABIOTIC factors - I
28	ABIOTIC factors - II
29	BIOTIC factors - I
30	Biotic factors - II
31	Ecosystem : Basic concepts
32	Examples of Ecosystem
33	Food chain, food web

Signature:

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

Class: B.Sc 3rd yr med **LESSON-PLAN**

Subject: **Semester: ODD/EVEN**

Session: 2020-21

Lecture Number	Topic
34	Ecological pyramids, productivity
35	Biomes introduction
36	Temperate deciduous forests Tropical grasslands
37	Aquatic ecosystems
38	man made ecosystems.
39	Biogeochemical cycles
40	Nitrogen, water, sulphur cycle
41	Flow of energy
42	Population, characteristics of population
43	Regulation of population
44	Population As a Resource
45	methods to control overpopulation
46	Significance of Ecology
47	Trophic structure

Signature: