

# SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

## LESSON-PLAN

Class: B.Sc. II<sup>nd</sup> yr, III<sup>rd</sup> sem  
 Subject: Botany (1<sup>st</sup> paper)

Semester: ODD/EVEN  
 Session: 2020-21

Lecture Number	Topic
1	General characters of Gymnosperm, External, Internal features
2.	Reproduction of Gymnosperm, The young sporophyte
3	Resemblance of Gymnosperm with pteridophyte & Angio
4	Classification of Gymnosperm
5.	Cycas - General Introduction External Features of cycas.
6.	Internal str. of Root, Secondary growth in Root
7.	Corkoid Root, Internal str. of stem Secondary growth in stem.
8.	Internal str. of Rachis, leaflet, veg. Reproduction
9.	Male cone of cycas, Microsporophyll, Development of microsporangia
10	Str. of mature microsporangium, Dehiscence of microsporangia, Megasporophyll, ovule str.
11	Development of ovule, Female Gametophyte
12.	Male Gametophyte and its development
13	Fertilization in cycas, young sporophyte str. of seed, Germination of seed.
14.	Economic Imp of cycas, Affinities of cycas
15	Pinus - General Introduction, External features
16.	Root of Pinus, Internal str. of stem
17.	Secondary growth of stem of Pinus

Signature:

Preeti  
 Pandey



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## LESSON-PLAN

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Semester: ODD/EVEN  
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Lecture Number	Topic
18.	Dwarf shoot, Foliage leaf, Xerophytic characters of Pinus needle
19.	Reproduction in Pinus (Male cone), Development of microsporangium
20.	Str. of mature microsporangium, Dehiscence of microsporangium, Female cone, Megasporophyll
21.	Morphological nature of ovuliferous scale, Str. of ovule, Gametophytes of Pinus (Male, Female)
22.	Ephedra - External, Internal Str. of Root, Stem, leaf, secondary growth.
23.	Fertilization, the young sporophyte, Str. of seed, Economic Imp. of Pinus.
24.	Ephedra - male and female Gametophytes.
25.	Ephedra - The young sporophyte, The seed, Germination of seed, Economic Imp.
26.	Reproduction of Ephedra, Life cycle of Ephedra
27.	Fossil - Fossil Types, Process of fossilization
28.	Fossils - kinds of fossils and mode of preservation
29.	Geological time table
30.	Fossil Plant - Lyginopteris, Williamsonia
31.	Fossil Plant - Bennettites
32.	Angiosperm - General Account
33.	Antiquity of Angiosperm, earliest Angiosperm
34.	Probable Ancestors of Angiosperms

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