

**LESSON PLAN FOR EVEN SEM**  
**SESSION 2017-18**

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR: PAWANPREET**  
**CLASS/SECTION : BSC II (MED/BT)**  
**SUBJECT : BOTANY**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	Root type- tap root
DAY2 DATE 2-1-18	-----	Root type- adv root
DAY3 DATE 3-1-18	-----	Root type- tap root
DAY4 DATE 4-1-18	Taxonomy and systematics	Root type- adv root
DAY5 DATE 5-1-18	Fundamental component of taxonomy (identification)	Root type- tap root
DAY6 DATE 6-1-18	Fundamental component of taxonomy(classification, nomenclature)	Root type- adv root
DAY7 DATE 8-1-18	-----	Flower-citrus, murraya
DAY8 DATE 9-1-18	-----	Flower- corindrum, Anathum
DAY9 DATE 10-1-18	-----	Flower-citrus, murraya
DAY10 DATE 11-1-18	Fundamental component of taxonomy(phylogeny)	Flower- corindrum, Anathum
DAY11 DATE 12-1-18	Role of chemotaxonomy	Flower-citrus, murraya
DAY12 DATE 13-1-18	Cytotaxonomy and taxometrics in relation to taxonomy	Flower- corindrum, Anathum
DAY13 DATE 15-1-18	-----	Flower- triticum, avena
DAY 14 DATE 16-1-18	-----	Flower-ageratum, Helianthus
DAY15 DATE 17-1-18	-----	Flower- triticum, avena
DAY16 DATE 18-1-18	Botanical nomenclature	Flower-ageratum, Helianthus
DAY17 DATE 19-1-18	Principles and rules of nomenclature, principle of priority	Flower- triticum, avena

DAY18 DATE 20-1-18	Principles and rules of nomenclature, principle of priority	Flower-ageratum, Helianthus
DAY19 DATE 22-1-18	<b>HOLIDAY</b>	
DAY20 DATE 23-1-18	<b>SPORTS DAY</b>	-----
DAY21 DATE 24-1-18	<b>HOLIDAY</b>	-----
DAY22 DATE 25-1-18	Power point presentation	Flower- rannunculus, Delphinium
DAY23 DATE 26-1-18	<b>HOLIDAY</b>	-----
DAY 24 DATE 27-1-18	Power point presentation on chemotaxonomy and cytotaxonomy	Flower- rannunculus, Delphinium
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 29-1-18	-----	Flower- rannunculus, Delphinium
DAY2 DATE 30-1-18	-----	Flower- brassica , Raphanus
DAY3 DATE 31-1-18	<b>HOLIDAY</b>	-----
DAY4 DATE 1-2-18	Seminar on rules of nomenclature	Flower- brassica , Raphanus
DAY5 DATE 2-2-18	Seminar on rules of ,identification, classification	Flower- brassica , Raphanus
DAY6 DATE 3-2-18	Type concept,taxonomic ranks	Modification of leaf and stem
DAY7 DATE 5-2-18	-----	Modification of leaf and stem
DAY8 DATE 6-2-18	-----	Flower- brassica , Raphanus
DAY9 DATE 7-2-18	-----	Dissect embryo
DAY10 DATE 8-2-18	Flower and its parts	Permanent slide embryology
DAY11 DATE 9-2-18	Assignment 1	Dissect embryo
DAY12 DATE 10-2-18	<b>HOLIDAY</b>	-----
DAY13 DATE 12-2-18	-----	Dissect embryo
DAY14 DATE 13-2-18	<b>HOLIDAY</b>	-----
DAY15 DATE 14-2-18	-----	Inflorocence

DAY16 DATE 15-2-18	Keys to identification of plants	Fruit type
DAY17 DATE 16-2-18	Concept of taxonomic rank	Inflorocence
DAY18 DATE 17-2-18	Type of inflorescence	Fruit type
DAY19 DATE 19-2-18	-----	Inflorocence
DAY20 DATE 20-2-18	-----	Fruit type
DAY21 DATE 21-2-18	-----	Monocot stem, leaf
DAY22 DATE 22-2-18	Type of inflorescence (recemose)	Dicot stem, leaf
DAY23 DATE 23-2-18	Type of inflorescence (cymose and special type)	Monocot stem, leaf
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 24-2-18	Family- ranunculaceae	Dicot stem, leaf
DAY2 DATE 26-2-18	-----	MONOCOT STEM,LEAF
DAY3 DATE 27-2-18	<b>TEST &amp; SEMINAR (PG CLASSES)</b>	Dicot stem, leaf
DAY4 DATE 28-2-18	<b>HOLIDAY</b>	-----
DAY5 DATE 1-3-18	<b>HOLIDAY</b>	-----
DAY6 DATE 2-3-18	<b>HOLIDAY</b>	-----
DAY7 DATE 3-3-18	<b>HOLIDAY</b>	-----
DAY8 DATE 5-3-18	-----	Anatomy of angiospermic root
DAY9 DATE 6-3-18	-----	Flower- euphorbia
DAY10 DATE 7-3-18	-----	Anatomy of angiospermic root
DAY11 DATE 8-3-18	Family- malvaceae	Flower- euphorbia
DAY12 DATE 9-3-18	Family - euphorbiaceae	Anatomy of angiospermic root
DAY13 DATE 10-3-18	<b>ASSIGNMENT 2</b>	Seed type
DAY 14 DATE 12-3-18	-----	Seed type

DAY15 DATE 13-3-18	-----	Permanent slides
DAY16 DATE 14-3-18	-----	Seed type
DAY17 DATE 15-3-18	Family - rutaceae	Permanent slides
DAY18 DATE 16-3-18	Family- asclepiadaceae	Permanent slides
DAY19 DATE 17-3-18	Family -apiaceae	Flower- euphorbia
DAY20 DATE 19-3-18	-----	Cycas permanent slides
DAY21 DATE 20-3-18	-----	Pinus permanent slides
DAY22 DATE 21-3-18	<b>CONDITIONAL TEST</b>	Cycas permanent slides
DAY23 DATE 22-3-18	<b>CONDITIONAL TEST</b>	Pinus permanent slides
DAY 24 DATE 23-3-18	<b>HOLIDAY</b>	-----
DAY 25 DATE 24-3-18	Family –solanaceae,	Cycas permanent slides
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 26-3-18	-----	Ephedra permanent slides
DAY2 DATE 27-3-18	-----	Fossil slides
DAY3 DATE 28-3-18	-----	Ephedra permanent slides
DAY4 DATE 29-3-18	<b>HOLIDAY</b>	-----
DAY5 DATE 30-3-18	Family- asteraceae	Pinus permanent slides
DAY6 DATE 31-3-18	Family - liliaceae	Ephedra permanent slides
DAY7 DATE 2-4-18	-----	Section cutting
DAY8 DATE 3-4-18	-----	Section cutting
DAY9 DATE 4-4-18	-----	Fossil slides
DAY10 DATE 5-4-18	Family- poaceae	Section cutting
DAY11	Family-lamiaceae	Fossil slides

DATE 6-4-18		
DAY12 DATE 7-4-18	Family-leguminosae	Section cutting
DAY13 DATE 9-4-18	-----	-----
DAY14 DATE 10-4-18	-----	Section cutting and staining
DAY15 DATE 11-4-18	-----	Section cutting and staining
DAY16 DATE 12-4-18	Power point presentation	Section cutting staining
DAY17 DATE 13-4-18	Family-brassicaceae	Section cutting and staining
DAY18 DATE 14-4-18	<b>HOLIDAY</b>	-----
DAY19 DATE 16-4-18	-----	Section cutting and staining
DAY20 DATE 17-4-18	-----	Section cutting and staining
DAY21 DATE 18-4-18	<b>HOLIDAY</b>	-----
DAY22 DATE 19-4-18	Seminar	Section cutting and staining
DAY23 DATE 20-4-18	Revision	Section cutting and staining

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**CLASS/SECTION : BSC III (MED/B.T)**  
**SUBJECT : BOTANY**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	Test of carbohydrates
DAY2 DATE 2-1-18	-----	Test of protein
DAY3 DATE 3-1-18	-----	-----
DAY4 DATE 4-1-18	-----	-----
DAY5 DATE 5-1-18	-----	-----
DAY6 DATE 6-1-18	-----	-----

DAY7 DATE 8-1-18	-----	Test of fat
DAY8 DATE 9-1-18	-----	Determination of p.h
DAY9 DATE 10-1-18	-----	-----
DAY10 DATE 11-1-18	-----	-----
DAY11 DATE 12-1-18	-----	-----
DAY12 DATE 13-1-18	-----	-----
DAY13 DATE 15-1-18	-----	Community study
DAY 14 DATE 16-1-18	-----	Morphological study
DAY15 DATE 17-1-18	-----	-----
DAY16 DATE 18-1-18	-----	-----
DAY17 DATE 19-1-18	-----	-----
DAY18 DATE 20-1-18	-----	-----
DAY19 DATE 22-1-18	<b>HOLIDAY</b>	-----
DAY20 DATE 23-1-18	<b>SPORTS DAY</b>	-----
DAY21 DATE 24-1-18	<b>HOLIDAY</b>	-----
DAY22 DATE 25-1-18	-----	-----
DAY23 DATE 26-1-18	<b>HOLIDAY</b>	-----
DAY 24 DATE 27-1-18	-----	-----
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 29-1-18	-----	Sterilization technique
DAY2 DATE 30-1-18	-----	Autoclave
DAY3 DATE 31-1-18	<b>HOLIDAY</b>	-----
DAY4 DATE 1-2-18	-----	-----

DAY5 DATE 2-2-18	-----	-----
DAY6 DATE 3-2-18	-----	-----
DAY7 DATE 5-2-18	-----	Anther culture
DAY8 DATE 6-2-18	-----	Protoplast culture
DAY9 DATE 7-2-18	-----	-----
DAY10 DATE 8-2-18	-----	-----
DAY11 DATE 9-2-18	<b>ASSIGNMENT 1</b>	-----
DAY12 DATE 10-2-18	<b>HOLIDAY</b>	-----
DAY13 DATE 12-2-18	-----	Amylase activity
DAY14 DATE 13-2-18	<b>HOLIDAY</b>	-----
DAY15 DATE 14-2-18	-----	-----
DAY16 DATE 15-2-18	-----	-----
DAY17 DATE 16-2-18	-----	-----
DAY18 DATE 17-2-18	-----	-----
DAY19 DATE 19-2-18	-----	Fiber
DAY20 DATE 20-2-18	-----	Edible oil
DAY21 DATE 21-2-18	-----	-----
DAY22 DATE 22-2-18	-----	-----
DAY23 DATE 23-2-18	-----	-----
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 24-2-18	-----	-----
DAY2 DATE 26-2-18	-----	Spices
DAY3	<b>TEST &amp; SEMINAR (PG CLASSES)</b>	Timber plants

DATE 27-2-18		
DAY4 DATE 28-2-18	<b>HOLIDAY</b>	-----
DAY5 DATE 1-3-18	<b>HOLIDAY</b>	-----
DAY6 DATE 2-3-18	<b>HOLIDAY</b>	-----
DAY7 DATE 3-3-18	<b>HOLIDAY</b>	-----
DAY8 DATE 5-3-18	-----	Medicinal plants
DAY9 DATE 6-3-18	-----	Medicinal plants
DAY10 DATE 7-3-18	-----	-----
DAY11 DATE 8-3-18	-----	-----
DAY12 DATE 9-3-18	-----	-----
DAY13 DATE 10-3-18	<b>ASSIGNMENT 2</b>	-----
DAY 14 DATE 12-3-18	-----	Beverages
DAY15 DATE 13-3-18	-----	P.h of water and soil
DAY16 DATE 14-3-18	-----	
DAY17 DATE 15-3-18	-----	
DAY18 DATE 16-3-18	-----	
DAY19 DATE 17-3-18	-----	
DAY20 DATE 19-3-18	-----	Photosynthesis
DAY21 DATE 20-3-18	-----	Phototropism
DAY22 DATE 21-3-18	<b>CONDITIONAL TEST</b>	-----
DAY23 DATE 22-3-18	<b>CONDITIONAL TEST</b>	-----
DAY 24 DATE 23-3-18	<b>HOLIDAY</b>	-----
DAY 25	-----	-----



DATE 24-3-18		
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 26-3-18	-----	Hydrptropism
DAY2 DATE 27-3-18	-----	Transpiration
DAY3 DATE 28-3-18	-----	-----
DAY4 DATE 29-3-18	<b>HOLIDAY</b>	-----
DAY5 DATE 30-3-18	-----	-----
DAY6 DATE 31-3-18	-----	-----
DAY7 DATE 2-4-18	-----	Light intensity
DAY8 DATE 3-4-18	-----	Arobic respiration
DAY9 DATE 4-4-18	-----	-----
DAY10 DATE 5-4-18	-----	-----
DAY11 DATE 6-4-18	-----	-----
DAY12 DATE 7-4-18	-----	-----
DAY13 DATE 9-4-18	-----	Anaerobic respiratiion
DAY14 DATE 10-4-18	-----	Permanent slides
DAY15 DATE 11-4-18	-----	-----
DAY16 DATE 12-4-18	-----	-----
DAY17 DATE 13-4-18	-----	-----
DAY18 DATE 14-4-18	<b>HOLIDAY</b>	-----
DAY19 DATE 16-4-18	-----	Revision of slides
DAY20 DATE 17-4-18	-----	Revision of slides
DAY21 DATE 18-4-18	<b>HOLIDAY</b>	-----

DAY22 DATE 19-4-18	-----	-----
DAY23 DATE 20-4-18	-----	-----

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**SUBJECT : BOTANY**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	-----
DAY2 DATE 2-1-18	-----	-----
DAY3 DATE 3-1-18	-----	Veg marchantia
DAY4 DATE 4-1-18	-----	-----
DAY5 DATE 5-1-18	-----	-----
DAY6 DATE 6-1-18	-----	-----
DAY7 DATE 8-1-18	-----	-----
DAY8 DATE 9-1-18	-----	-----
DAY9 DATE 10-1-18	-----	Veg anthoceros
DAY10 DATE 11-1-18	-----	-----
DAY11 DATE 12-1-18	-----	-----
DAY12 DATE 13-1-18	---	-----
DAY13 DATE 15-1-18	----	-----
DAY 14 DATE 16-1-18	----	-----
DAY15 DATE 17-1-18	---	Veg funaria
DAY16 DATE 18-1-18	-----	-----
DAY17	-----	----

DATE 19-1-18		
DAY18 DATE 20-1-18	-----	-----
DAY19 DATE 22-1-18	<b>HOLIDAY</b>	----
DAY20 DATE 23-1-18	<b>SPORTS DAY</b>	----
DAY21 DATE 24-1-18	<b>HOLIDAY</b>	---
DAY22 DATE 25-1-18	-----	----
DAY23 DATE 26-1-18	<b>HOLIDAY</b>	----
DAY 24 DATE 27-1-18	-----	---
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 29-1-18	----	----
DAY2 DATE 30-1-18	----	----
DAY3 DATE 31-1-18	<b>HOLIDAY</b>	----
DAY4 DATE 1-2-18	-----	----
DAY5 DATE 2-2-18	---	-----
DAY6 DATE 3-2-18	----	----
DAY7 DATE 5-2-18	----	----
DAY8 DATE 6-2-18	-----	----
DAY9 DATE 7-2-18	-----	Rhynia
DAY10 DATE 8-2-18	-----	---
DAY11 DATE 9-2-18	<b>ASSIGNMENT 1</b>	----
DAY12 DATE 10-2-18	<b>HOLIDAY</b>	----
DAY13 DATE 12-2-18	-----	----
DAY14 DATE 13-2-18	<b>HOLIDAY</b>	-----

DAY15 DATE 14-2-18	----	Veg.selaginella
DAY16 DATE 15-2-18	-----	-----
DAY17 DATE 16-2-18	-----	----
DAY18 DATE 17-2-18	----	-----
DAY19 DATE 19-2-18	-----	-----
DAY20 DATE 20-2-18	-----	----
DAY21 DATE 21-2-18	----	Veg.equisitum
DAY22 DATE 22-2-18	----	-----
DAY23 DATE 23-2-18	-----	-----
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 24-2-18	-----	-----
DAY2 DATE 26-2-18	-----	-----
DAY3 DATE 27-2-18	<b>TEST &amp; SEMINAR (PG CLASSES)</b>	----
DAY4 DATE 28-2-18	<b>HOLIDAY</b>	-----
DAY5 DATE 1-3-18	<b>HOLIDAY</b>	-----
DAY6 DATE 2-3-18	<b>HOLIDAY</b>	-----
DAY7 DATE 3-3-18	<b>HOLIDAY</b>	-----
DAY8 DATE 5-3-18	----	----
DAY9 DATE 6-3-18	-----	-----
DAY10 DATE 7-3-18	-----	<b>VEG.PTERIS</b>
DAY11 DATE 8-3-18	-----	----
DAY12 DATE 9-3-18	-----	-----
DAY13	<b>ASSIGNMENT 2</b>	----

DATE 10-3-18		
DAY 14 DATE 12-3-18	-----	-----
DAY15 DATE 13-3-18	-----	-----
DAY16 DATE 14-3-18	-----	Genetic numerical
DAY17 DATE 15-3-18	-----	-----
DAY18 DATE 16-3-18	-----	-----
DAY19 DATE 17-3-18	-----	-----
DAY20 DATE 19-3-18	-----	-----
DAY21 DATE 20-3-18	-----	-----
DAY22 DATE 21-3-18	<b>CONDITIONAL TEST</b>	Genetic numerical
DAY23 DATE 22-3-18	<b>CONDITIONAL TEST</b>	-----
DAY 24 DATE 23-3-18	<b>HOLIDAY</b>	-----
DAY 25 DATE 24-3-18	-----	-----
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 26-3-18	-----	-----
DAY2 DATE 27-3-18	-----	-----
DAY3 DATE 28-3-18	-----	Genetic numerical
DAY4 DATE 29-3-18	<b>HOLIDAY</b>	-----
DAY5 DATE 30-3-18	-----	-----
DAY6 DATE 31-3-18	-----	-----
DAY7 DATE 2-4-18	-----	-----
DAY8 DATE 3-4-18	-----	-----
DAY9	-----	<b>MITOSIS</b>

DATE 4-4-18		
DAY10 DATE 5-4-18	-----	-----
DAY11 DATE 6-4-18	-----	----
DAY12 DATE 7-4-18	-----	----
DAY13 DATE 9-4-18	-----	---
DAY14 DATE 10-4-18	-----	----
DAY15 DATE 11-4-18	-----	<b>MEIOSIS</b>
DAY16 DATE 12-4-18	-----	-----
DAY17 DATE 13-4-18	-----	-----
DAY18 DATE 14-4-18	<b>HOLIDAY</b>	-----
DAY19 DATE 16-4-18	-----	-----
DAY20 DATE 17-4-18	-----	-----
DAY21 DATE 18-4-18	<b>HOLIDAY</b>	-----
DAY22 DATE 19-4-18	-----	-----
DAY23 DATE 20-4-18	-----	-----