

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

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR: RAJNIGANDHA**  
**CLASS/SECTION : BSCIII(MED/B.T)**  
**SUBJECT : BOTANY**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	-----
DAY2 DATE 2-1-18	-----	-----
DAY3 DATE 3-1-18	-----	-----
DAY4 DATE 4-1-18	Introduction of economic botany	----
DAY5 DATE 5-1-18	Food plant –rice ( origin, distribution, cultivation)	Test of carbohydrates
DAY6 DATE 6-1-18	Food plant -rice (origin,distribution, cultivation)	Test of protein
DAY7 DATE 8-1-18	-----	-----
DAY8 DATE 9-1-18	-----	----
DAY9 DATE 10-1-18	-----	----
DAY10 DATE 11-1-18	Food plant –wheat ( origin, distribution, cultivation)	----
DAY11 DATE 12-1-18	Food plant –maize( origin, distribution, cultivation)	Test of fat
DAY12 DATE 13-1-18	Pulses – gram(origin, distribution, cultivation)	Determination of p.h
DAY13 DATE 15-1-18	-----	----
DAY 14 DATE 16-1-18	-----	----
DAY15 DATE 17-1-18	----	----
DAY16 DATE 18-1-18	Pulses- arhar (origin, distribution, cultivation)	----
DAY17 DATE 19-1-18	Pulses- pea (origin, distribution, cultivation)	Community study
DAY18 DATE 20-1-18	Power point presentation (gram, arhar, pea)	Morphological study
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	Vegetable –potato (origin, distribution, cultivation)	----
DAY23 DATE 26-1-18	<b>HOLIDAY</b>	----
DAY 24 DATE 27-1-18	Vegetable –onion,tomato (origin, distribution, cultivation)	Sterilization technique
<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	Fibres-cotton (origin, distribution, cultivation)	----
DAY5 DATE 2-2-18	Fibres-jute (origin, distribution, cultivation)	Autoclave
DAY6 DATE 3-2-18	Fibres-flax(origin, distribution, cultivation)	Anther culture
DAY7 DATE 5-2-18	-----	----
DAY8 DATE 6-2-18	----	---
DAY9 DATE 7-2-18	-----	-----
DAY10 DATE 8-2-18	Oil- groundnut(origin, distribution, cultivation)	-----
DAY11 DATE 9-2-18	<b>ASSIGNMENT 1</b>	Protoplast clture
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	-----	-----
DAY16 DATE 15-2-18	Oil- mustard(origin, distribution, cultivation)	-----
DAY17 DATE 16-2-18	Oil- coconut(origin, distribution, cultivation)	Food plant
DAY18 DATE 17-2-18	Power point presentation ( pulses, fibres , oil)	Fiber

DAY19 DATE 19-2-18	-----	-----
DAY20 DATE 20-2-18	-----	-----
DAY21 DATE 21-2-18	-----	-----
DAY22 DATE 22-2-18	Power point presentation (food plants and vegetables)	-----
DAY23 DATE 23-2-18	Morphology and cultivation of spices	Edible oil
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 24-2-18	Morphology and cultivation of spices coriander, ferula	Spices
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	-----	-----
DAY11 DATE 8-3-18	Morphology and cultivation of spices ginger, turmeric, cloves	-----
DAY12 DATE 9-3-18	Morphology and cultivation and use of medicinal plant-opium, cannabis rauwolfia, atropa, neem, cinchona	Timber plants
DAY13 DATE 10-3-18	<b>ASSIGNMENT 2</b>	Medicinal plants
DAY 14 DATE 12-3-18	-----	-----
DAY15 DATE 13-3-18	-----	-----
DAY16 DATE 14-3-18	-----	-----
DAY17 DATE 15-3-18	Beverages –botanical description and processing of (tea,coffee)	-----
DAY18 DATE 16-3-18	Botanical description and processing of rubber	Beverages

DAY19 DATE 17-3-18	Botanical description and processing of sugar	P.h of water and soil
DAY20 DATE 19-3-18	-----	----
DAY21 DATE 20-3-18	-----	-----
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	Power point presentation ( rubber)	Photosynthesis Phototropism
<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	-----	-----
DAY4 DATE 29-3-18	<b>HOLIDAY</b>	----
DAY5 DATE 30-3-18	Power point presentation (sugar)	Hydrptropism
DAY6 DATE 31-3-18	Class test on spices and beverages	Transpiration
DAY7 DATE 2-4-18	----	-----
DAY8 DATE 3-4-18	----	-----
DAY9 DATE 4-4-18	----	-----
DAY10 DATE 5-4-18	General account and source of timber plant	----
DAY11 DATE 6-4-18	Detail study of timberplant	Light intensity
DAY12 DATE 7-4-18	Energy plantation and bio-fuels	Arobic respiration
DAY13 DATE 9-4-18	----	-----
DAY14 DATE 10-4-18	-----	-----
DAY15 DATE 11-4-18	-----	-----
DAY16 DATE 12-4-18	Power point presentation of timber plant	-----

DAY17 DATE 13-4-18	Power point presentation of bio-fuels	Anaerobic respiration
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	Seminar energy plantation and bio-fuels	-----
DAY23 DATE 20-4-18	Discussion and revision of unit i and ii	Permanent slides

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR: RAJNIGANDHA**  
**CLASS/SECTION : BSC I (MED/B.T)**  
**SUBJECT : BOTANY**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	-----	Vegative marchantia
DAY2 DATE 2-1-18	-----	Reproductive marchantia
DAY3 DATE 3-1-18	-----	Vegative marchantia
DAY4 DATE 4-1-18	-----	Reproductive marchantia
DAY5 DATE 5-1-18	-----	Vegative marchantia
DAY6 DATE 6-1-18	-----	Reproductive marchantia
DAY7 DATE 8-1-18	-----	Veg. Anthoceros
DAY8 DATE 9-1-18	-----	Rep. Anthoceros
DAY9 DATE 10-1-18	-----	Veg. Anthoceros
DAY10 DATE 11-1-18	-----	Rep. Anthoceros
DAY11 DATE 12-1-18	-----	Veg. Anthoceros
DAY12 DATE 13-1-18	-----	Rep. Anthoceros
DAY13 DATE 15-1-18	-----	Veg. Funaria

DAY 14 DATE 16-1-18	-----	Rep.funaria
DAY15 DATE 17-1-18	-----	Veg. Funaria
DAY16 DATE 18-1-18	-----	Rep.funaria
DAY17 DATE 19-1-18	-----	Veg. Funaria
DAY18 DATE 20-1-18	-----	Rep.funaria
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	-----	Rhynia
DAY23 DATE 26-1-18	<b>HOLIDAY</b>	-----
DAY 24 DATE 27-1-18	-----	Rhynia
<b>UNIT/PART II</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 29-1-18	-----	Rhynia
DAY2 DATE 30-1-18	-----	Veg. Selaginella
DAY3 DATE 31-1-18	<b>HOLIDAY</b>	-----
DAY4 DATE 1-2-18	-----	Veg. Selaginella
DAY5 DATE 2-2-18	-----	Veg. Selaginella
DAY6 DATE 3-2-18	-----	Rep.selaginella
DAY7 DATE 5-2-18	---	Veg.equisitum
DAY8 DATE 6-2-18	----	Rep. Equisitum
DAY9 DATE 7-2-18	-----	Veg.equisitum
DAY10 DATE 8-2-18	-----	Rep. Equisitum
DAY11 DATE 9-2-18	<b>ASSIGNMENT 1</b>	Veg.equisitum
DAY12 DATE 10-2-18	<b>HOLIDAY</b>	-----

DAY13 DATE 12-2-18	----	Veg.pteris
DAY14 DATE 13-2-18	<b>HOLIDAY</b>	----
DAY15 DATE 14-2-18	-----	Veg.pteris
DAY16 DATE 15-2-18	-----	Rep.pteris
DAY17 DATE 16-2-18	-----	Rep. Equisitum
DAY18 DATE 17-2-18	-----	Veg.pteris
DAY19 DATE 19-2-18	-----	Rep.pteris
DAY20 DATE 20-2-18	-----	Genetic numericals
DAY21 DATE 21-2-18	-----	Genetic numericals
DAY22 DATE 22-2-18	-----	Genetic numericals
DAY23 DATE 23-2-18	-----	Genetic numericals
<b>UNIT/PART III</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 24-2-18	-----	Genetic numericals
DAY2 DATE 26-2-18	-----	Genetic numericals
DAY3 DATE 27-2-18	Test & seminar (pg classes)	Genetic numericals
DAY4 DATE 28-2-18	Holiday	-----
DAY5 DATE 1-3-18	Holiday	-----
DAY6 DATE 2-3-18	Holiday	----
DAY7 DATE 3-3-18	<b>HOLIDAY</b>	-----
DAY8 DATE 5-3-18	-----	Genetic numericals
DAY9 DATE 6-3-18	-----	Genetic numericals
DAY10 DATE 7-3-18	----	Genetic numericals
DAY11 DATE 8-3-18	----	Genetic numericals
DAY12 DATE 9-3-18	-----	Genetic numericals
DAY13	<b>ASSIGNMENT 2</b>	Genetic numericals

DATE 10-3-18		
DAY 14 DATE 12-3-18	-----	Genetic numericals
DAY15 DATE 13-3-18	-----	Genetic numericals
DAY16 DATE 14-3-18	-----	Genetic numericals
DAY17 DATE 15-3-18	-----	Genetic numericals
DAY18 DATE 16-3-18	-----	Genetic numericals
DAY19 DATE 17-3-18	-----	Genetic numericals
DAY20 DATE 19-3-18	-----	-----
DAY21 DATE 20-3-18	-----	-----
DAY22 DATE 21-3-18	<b>CONDITIONAL TEST</b>	Chi-sq. Analysis
DAY23 DATE 22-3-18	<b>CONDITIONAL TEST</b>	Chi-sq. Analysis
DAY 24 DATE 23-3-18	<b>HOLIDAY</b>	-----
DAY 25 DATE 24-3-18	-----	Chi-sq. Analysis
<b>UNIT/PART IV</b>	<b>TOPIC</b>	
	<b>THEORY</b>	<b>PRACTICAL</b>
DAY1 DATE 26-3-18	-----	Plant collection
DAY2 DATE 27-3-18	-----	Plant collection
DAY3 DATE 28-3-18	-----	Plant collection
DAY4 DATE 29-3-18	<b>HOLIDAY</b>	
DAY5 DATE 30-3-18	-----	Plant collection
DAY6 DATE 31-3-18	-----	Survey and collection report
DAY7 DATE 2-4-18	-----	Survey and collection report
DAY8 DATE 3-4-18	-----	Preparation of slides mitosis
DAY9 DATE 4-4-18	-----	Survey and collection report
DAY10 DATE 5-4-18	-----	Preparation of slides mitosis
DAY11 DATE 6-4-18	-----	Preparation of slides mitosis



DAY12 DATE 7-4-18	----	Preparation of slides meiosis
DAY13 DATE 9-4-18	----	Preparation of slides mitosis
DAY14 DATE 10-4-18	---	Preparation of slides mitosis
DAY15 DATE 11-4-18	-----	Preparation of slides mitosis
DAY16 DATE 12-4-18	-----	Preparation of slides mitosis
DAY17 DATE 13-4-18	----	Permanent slides
DAY18 DATE 14-4-18	<b>HOLIDAY</b>	-----
DAY19 DATE 16-4-18	-----	Permanent slides
DAY20 DATE 17-4-18	-----	Permanent slides
DAY21 DATE 18-4-18	<b>HOLIDAY</b>	-----
DAY22 DATE 19-4-18	-----	Permanent slides
DAY23 DATE 20-4-18	-----	Permanent slides

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR: RAJNIGANDHA**  
**CLASS/SECTION : BSC II (MED/B.T)**  
**SUBJECT : BOTANY**

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Flower and function of various parts	----
DAY2 DATE 2-1-18	Microsporangium	-----
DAY3 DATE 3-1-18	Microsporangium and its wall dehiscence mechanism	-----
DAY4 DATE 4-1-18		-----
DAY5 DATE 5-1-18		-----
DAY6 DATE 6-1-18		-----
DAY7 DATE 8-1-18	Microsporogenesis	-----
DAY8 DATE 9-1-18	Pollen pistel interaction	-----

DAY9 DATE 10-1-18	Pollen pistel interaction	-----
DAY10 DATE 11-1-18	-----	-----
DAY11 DATE 12-1-18	-----	-----
DAY12 DATE 13-1-18	----	-----
DAY13 DATE 15-1-18	Self-incompatibility	-----
DAY 14 DATE 16-1-18	Pollination	----
DAY15 DATE 17-1-18	Pollination type and agencies	----
DAY16 DATE 18-1-18	-----	-----
DAY17 DATE 19-1-18	-----	----
DAY18 DATE 20-1-18	-----	-----
DAY19 DATE 22-1-18	Holiday	----
DAY20 DATE 23-1-18	Sports day	-----
DAY21 DATE 24-1-18	Holiday	----
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	Power point presentation ( pollination )	-----
DAY2 DATE 30-1-18	Pollen germination	-----
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	Male gametophyte	-----
DAY8	Pollen wall structure	-----

DATE 6-2-18		
DAY9 DATE 7-2-18	Microsporogenesis	-----
DAY10 DATE 8-2-18		----
DAY11 DATE 9-2-18	Assignment 1	-----
DAY12 DATE 10-2-18	<b>HOLIDAY</b>	-----
DAY13 DATE 12-2-18	Microsporogenesis pollination agencies	----
DAY14 DATE 13-2-18	Holiday	-----
DAY15 DATE 14-2-18	Power point pollination agencies presentation (microsporogenesis)	----
DAY16 DATE 15-2-18		----
DAY17 DATE 16-2-18		-----
DAY18 DATE 17-2-18		----
DAY19 DATE 19-2-18	Power point presentation (microsporogenesis pollination type)	----
DAY20 DATE 20-2-18	Pollination	-----
DAY21 DATE 21-2-18	Type power point presentation (pollination)	-----
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	Female gametophyte monosporic type of embryo sac	-----
DAY3 DATE 27-2-18	Female gametophyte monosporic type of embryo sac	-----
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	Power point presentation ( ovule)	-----

DAY9 DATE 6-3-18	Female gametophyte monosporic type of embryo sac	-----
DAY10 DATE 7-3-18	Female gametophyte bisporic type of embryo sac	-----
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	Female gametophyte tetrasporic type of embryo sac	-----
DAY15 DATE 13-3-18	Double fertilization	-----
DAY16 DATE 14-3-18	Power point presentation (mono, bi, terta-sporic embryo sac)	-----
DAY17 DATE 15-3-18	-----	-----
DAY18 DATE 16-3-18	----	-----
DAY19 DATE 17-3-18	----	-----
DAY20 DATE 19-3-18	Endosperm and type	-----
DAY21 DATE 20-3-18	Endosperm and type and importance	----
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	Power point presentation of endosperm	-----
DAY2 DATE 27-3-18	Embryogenesis in dicot	-----
DAY3 DATE 28-3-18	Embryogenesis in monocot	-----
DAY4 DATE 29-3-18	<b>HOLIDAY</b>	-----
DAY5 DATE 30-3-18	-----	-----
DAY6 DATE 31-3-18	-----	-----

DAY7 DATE 2-4-18	Difference in monocot and dicot	-----
DAY8 DATE 3-4-18	Polyembryony	-----
DAY9 DATE 4-4-18	Structure of dicot seed and monocot	-----
DAY10 DATE 5-4-18	---	-----
DAY11 DATE 6-4-18	----	-----
DAY12 DATE 7-4-18	-----	-----
DAY13 DATE 9-4-18	Power point presentation of seed	-----
DAY14 DATE 10-4-18	Fruit type	----
DAY15 DATE 11-4-18	Fruit type(simple)	-----
DAY16 DATE 12-4-18	-----	----
DAY17 DATE 13-4-18	-----	----
DAY18 DATE 14-4-18	<b>HOLIDAY</b>	-----
DAY19 DATE 16-4-18	Fruit type (aggrigated)	-----
DAY20 DATE 17-4-18	Dispersal ,mechanism of fruit and seed	-----
DAY21 DATE 18-4-18	<b>HOLIDAY</b>	-----
DAY22 DATE 19-4-18	-----	-----
DAY23 DATE 20-4-18	-----	-----