

PHYSIOLOGY DEPARTMENT
ADVANCE TEACHING PLAN

Dr. Abhraj Bansambhal
HOD

Physiology Reader - Dr. Abhay Pawar

SHARADCHANDRAJI PAWAR HOMOEOPATHIC
MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO
Subject : Physiology

Advance Teaching Plan
Year - 2023 - 2024

Date	Topic	Taught Topic By
02/11/23	1) Foundation Course	Dr. Pawar
15/11/23		
16/11/23	1) Introduction of Physiology Extent distribution and importance of Physiology	
18/11/23	Explain importance of physiology in relation with homeopathy	
19/11/23	FOOD AND BODY FLUIDS	
19/11/23	1) Body fluids	
20/11/23	Blood	
26/11/23		
27/11/23	Plasma Protein	
27/11/23		
01/12/24	Red Blood Cells	
02/12/24	Erythropoiesis	
03/12/24		
05/12/24	Hemoglobin and Iron Metabolism	
08/12/24	Erythrocyte Sedimentation Rate	

SHARADCHANDRAJI PAWAR HOMOEOPATHIC
MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO
Subject : Physiology

Year - 20 - 20

Date	Topic	Taught Topic By
09/12/24	Packed cell volume and Blood indices	
10/12/24		
12/12/24	Anemia	
16/12/24		
17/12/24	Hemoglobin and fragility of Red blood cells	
19/12/24	White Blood Cells	
22/12/24	Immunity	
24/12/24		
29/12/24	Proteins	
20/01/24		
21/01/24	Homeostasis	
02/02/24		
05/02/24	Coagulation of Blood	
06/02/24		
07/02/24	Blood clots	
09/02/24		
12/02/24	Blood Transfusion	
13/02/24		
14/02/24	Blood volume	
16/02/24	Renal-Endocrine System and Tissue metabolism	
20/02/24	Spleen	

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 Subject : Physiology
 Advance Teaching Plan
 Year - 20 - 20

Date	Topics	Taught Topic By
21/02/24	Lymphatic system and Lymph	
23/02/24		
26/02/24	Tissue fluid and Edema	
	[SKIN]	
27/02/24	Structure of skin	
28/02/24	Function of skin	
01/03/24	Body temperature	
04/03/24		
	[Respiratory]	
05/03/24	Physiological Anatomy of Respiratory Tract	
06/03/24	Pulmonary circulation	
11/03/24		

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 MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO**
 Subject : Physiology
 Advance Teaching Plan
 Year - 20 - 20

Date	Topics	Taught Topic By
21/03/24	Mechanism of Respiration	
21/03/24		
15/03/24		
17/03/24	Pulmonary function test	
19/03/24		
20/03/24	Ventilation	
25/03/24	Totalled SA, Residual Air and expired Air	
26/03/24	Exchange of respiratory gases	
27/03/24		1 April to 5 April Holidays +cut
01/04/24	Transport of respiratory gases	
10/04/24		
12/04/24	Regulation of Respiration	
16/04/24		
16/04/24	Physiology of Respiration	
19/04/24	High Altitude and Space physiology	
22/04/24	Deep sea Physiology	

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 MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO**
 Subject : Physiology

Advance Teaching Plan
 Year - 20 - 20

Date	Topic	Taught Topic By
22/04/24	Effect of exposure to hot and cold	
24/04/24	Respiratory Regulation	
26/04/24		
29/04/24	Effect of exercise of Respiration	
	CARDIOVASCULAR SYSTEM	
30/04/24	Introduction to Cardiovascular System	
2/05/24	Properties of Cardiac muscle	15 May to 1 June holiday Summer vacation
04/06/24	Cardiac cycle	June 6 days to 15 June
05/06/24		15 June Terminology Test
12/06/24	Heart Sounds	
19/06/24	Cardiac murmurs	

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 MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO**
 Subject : Physiology

Advance Teaching Plan
 Year - 20 - 20

Date	Topic	Taught Topic By
21/06/24	Electrocardiogram	
23/06/24	Verapamil	
25/06/24	Amyl nitrite	
26/06/24	Effect of change in electrolyte concentration on heart	
27/06/24		
01/07/24	Cardiac output	
02/07/24	Heart-Lung circulation	
03/07/24		
05/07/24	Cardiac function curves	
08/07/24		
09/07/24	Heart Rate	
10/07/24		
12/07/24	Hexachloramin	

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 Advance Teaching Plan
 Year - 20 - 20
 Subject : Physiology

Date	Topics	Taught Topic By
15/07/24 16/07/24	Arterial Blood Pressure	
19/07/24	Venous Pressure	
22/07/24	Capillary Pressure	
23/07/24	Arterial Pulse	
24/07/24	Venous pulse	
26/07/24	Coronary Circulation	
29/07/24	Central Circulation	
30/07/24	Splanchnic Circulation	
31/07/24	Circulation through skin muscle	
02/08/24	Cerebral Circulation	

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 Advance Teaching Plan
 Year - 20 - 20
 Subject : Physiology

Date	Topics	Taught Topic By
5/08/24	Total Circulation and Regulation	
06/08/24 07/08/24	Homeostasis	
09/08/24	Cerebral shock and other factors	
12/08/24	Cardiovascular Adjustment during Exercise	
	<u>(ENDOCRINE)</u>	
13/08/24	Introduction to endocrinology	
14/08/24	Thyroid	
16/08/24 19/08/24	Adipose Gland	
20/08/24	Thyroid gland	
21/08/24		
23/08/24	Pancreas gland & physiology of B cells	

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 Subject : Physiology
 Advance Teaching Plan
 Year - 20 - 20

Date	Topic	Taught Topic By
22/09/24	Essential functions of Pancreas	
27/09/24	Adrenal medulla	
28/09/24	Endocrine function of renal organs	
30/09/24	Acid balance	
[REPRODUCTIVE SYSTEM]		
01/10/24	Male Reproductive System	Dr. [Name]
03/10/24	Scrotal vesicle	14 August to 10 August 2024 Dr. [Name]
04/10/24	Prostate gland	
05/10/24	Seminal	

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 Subject : Physiology
 Advance Teaching Plan
 Year - 20 - 20

Date	Topic	Taught Topic By
12/10/24	Female Reproductive System	
15/10/24		
20/10/24	Uterus	
23/10/24	Menstrual Cycle	
24/10/24		
25/10/24		
27/10/24	Ovulation	
28/10/24		
01/11/24	Menopause	
07/11/24	Fertility	
08/11/24		
09/11/24		
11/11/24	Pregnancy and Parturition	
12/11/24		
15/11/24	Placenta	
16/11/24		
19/11/24	Pregnancy Test	

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**SHARADCHANDRAJI PAWAR HOMOEOPATHIC
MEDICAL COLLEGE AND HOSPITAL,**

Wadala Mahadeo, Tal. Shrirampur.

Advance Teaching Plan

Subject : Physiology

Physiology Lecturer - Dr. Deepthi Gradekar
(New Batch)
Shiva Trust's

**SHARADCHANDRAJI PAWAR HOMOEOPATHIC
MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO**
Advance Teaching Plan

Subject : Physiology

Year - 2023 - 2024

Date	Topics	Taught Topic By
27/11/2023 to 13/12/2023	1) Foundation course	
15/12/2023	Introduction of Physiology 4 Explain definition & Importance of physiology	Dr. Deepthi Gradekar
16/12/2023	Explain importance of physiology in relation with Homoeopathy	- -
18/12/2023	General Physiology	- -
19/12/2023		
20/12/2023	Introduction of cellular Physiology	- -
20/12/2023	Cell junction	- -
21/12/2023	Transport through the	- -
22/12/2023	cell membrane & resting potential body fluids	
23/12/2023	Compartments	
26/12/2023	Homenostasis	- -
27/12/2023	Acid base balance	- -
28/12/2023 to	Summary of General Physiology.	- -
30/12/2023 to		
1/1/2024		

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 MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO**
 Advance Teaching Plan Subject : Physiology
 Year - 2023 - 2024

Date	Topics	Taught Topic By
	Heart Physiology	Dr. Deepthi Gandekar
	circulation of blood	— —
	structure of skeletal muscle	— —
	properties of skeletal muscle	— —
	changes taking place during muscular contraction	— —
	neuromuscular junction	— —
	smooth muscle	— —
	electromyogram and function of skeletal muscle	— —
	contractility of muscle	— —

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 Advance Teaching Plan Subject : Physiology
 Year - 2023 - 2024

Date	Topics	Taught Topic By
	Cardiovascular system	Dr. Deepthi Gandekar
	Overview of Cardiovascular system	— —
	properties of cardiac muscle	— —
	cardiac cycle	— —
	heart sound	— —
	cardiac output	— —
	electrocardiogram	— —
	ECG	— —
	Arrhythmia	— —
	Effect of changes in haemorrhage concentration on heart	— —
	cardiac output	— —

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 Advance Teaching Plan Subject : Physiology
 Year - 20th 5 - 20th 24

Date	Topics	Taught Topic By
	Neuro sensory Disposition	
	Cerebral Function Summary	Dr. Deepthi Aradhyar
	Heart Rate	- 11 -
	Homeodynamic	
	Arterial blood Pressure	
	Venous blood Pressure	- 11 -
	Capillary blood Pressure	
	Arterial Pulse	- 11 -
	Venous Pulse	- 11 -
	Regional circulation & coronary circulation	- 11 -
	Cerebral circulation	- 11 -
	Splanchnic circulation	- 11 -
	Capillary circulation	- 11 -

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 Advance Teaching Plan Subject : Physiology
 Year - 20th 5 - 20th 24

Date	Topics	Taught Topic By
	Circulation through skeletal muscle	Dr. Deepthi Aradhyar
	Autonomic innervation	
	NERVOUS SYSTEM	- 11 -
	Division of nervous system	- 11 -
	neurons	
	Classification of nerve fibres	- 11 -
	Properties of nerve fibres	- 11 -
	Organization and propagation of nerve impulses	- 11 -
	action potential	- 11 -
	Receptors	- 11 -
	Synapse	- 11 -
	neuromodulators & neurotransmitters	- 11 -
	reflex activity	- 11 -

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 Advance Teaching Plan Subject : Physiology
 Year - 2015 - 2016

Date	Topic	Taught Topic By
	Spinal Cord	Dr. Ganapati Gadekar
	Somatosensory System & Somatomotor System	—
	Physiology of Man	—
	Headaches	—
	Thalamic	—
	Tentorial capsule	—
	Myotubercles	—
	Cerebellum	—
	Basal ganglia	—
	Cerebral cortex	—
	Spinal system	—
	Reflexes, Jerkiness	—

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 Advance Teaching Plan Subject : Physiology
 Year - 2015 - 2016

Date	Topic	Taught Topic By
	Arteries Regulation Experimental Studies	Dr. Ganapati Gadekar
	Proprioceptors	—
	Maintenance of Posture & Equilibrium	—
	Vestibular Apparatus	—
	Cerebellar Physiology	—
	Physiology of sleep	—
	Epilepsy	—
	Spinal Involuntary Function	—
	Cerebrospinal fluid	—
	Autonomic Nervous System	—

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SHARADCHANDRAJI PAWAR HOMOEOPATHIC MEDICAL COLLEGE AND HOSPITAL, WADALA MAHADEO
 Advance Teaching Plan
 Subject : Physiology
 Year - 2021 - 2022

Date	Topics	Taught Topic By
	<u>Prothrombolytic</u>	Dr. Deepali Budekar
i	<u>Hemostasis & Hemorrhagic states</u>	
	Major Hemostatic	— —
	Chemical composition of blood	— —
	Major hemostatic substances & function	— —
	Major mineral in blood & body	— —
	Hemorrhoids	— —
	Wound healing by contraction	— —
	Structure of Hemorrhoids	— —
ii	<u>Carbohydrate Chemistry & Metabolism</u>	— —
	Introduction	— —
	Importance	— —
	Classification of carbohydrates	— —
	Absorption & storage of carbohydrates	— —
	Metabolism of carbohydrates	— —
	- Glycolysis	— —
	- Citric Acid Cycle	— —
	Hepatic phosphorylase Shunt	— —
	Glycogenesis	— —
	Glycogenolysis	— —
	Muscle Contraction	— —
	Blood Glucose & its Regulation	— —
	Hyperglycemia	— —
	Glucose Tolerance test (GTT)	— —

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 Advance Teaching Plan
 Subject : Physiology
 Year - 2021 - 2022

Date	Topics	Taught Topic By
iii	<u>Lipids - Chemistry & Metabolism</u>	Dr. Deepali Budekar
	Classification & Biological importance	— —
	Important chemical tests & properties of fat	— —
	Absorption & absorption of fat	— —
	Oxidation of fatty acids	— —
	Fatty Acid	— —
	Ketosis	— —
	cholesterol metabolism	— —
	Lipoproteins	— —
	prostaglandins	— —
iv	<u>Amino acid Chemistry & Metabolism</u>	— —
	Amino acid	— —
	amino & protein	— —
	Classification of amino acid	— —
	Absorption & Absorption of protein	— —
	deamination of amino acid	— —
	Transamination	— —
	deamination	— —
	Individual Amino Acid	— —
	plasma protein	— —
	transport factor	— —

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 Advance Teaching Plan
 Year - 2023 - 2024

Date	Topics	Taught Topic By
	Thiamine, Riboflavin, Niacin, Pyridoxine, Biotin, Folic acid, pantoic acid, Vitamin C	Dr. Gadekar 11
xiii	<u>Water & Mineral metabolism</u>	
	Water	11
	Iron metabolism	
	Calcium	
	Phosphorus	
	Sodium	
	Potassium	
	Chloride	11
	Bicarbonate	
	Magnesium	
	Copper	
	Iodine	
	Manganese	11
	Zn	
	Molybdenum	
	Selenium	
	Chromium	

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 Advance Teaching Plan
 Year - 2023 - 2024

Date	Topics	Taught Topic By
xiv	<u>Energy metabolism & nutrition</u>	Dr. Gadekar concept
	Calorimetry	
	Caloric values of food	11
	Basal metabolism	
	Specific dynamic action	11
	Caloric req	
	Balance diet	
xv	<u>Protein Synthesis & metabolism</u>	11
	Carbohydrate metabolism	
	Protein	11
	Amino acids	
xvi	<u>Respiration</u>	11
	pH & buffer	
	Diffusion	
	Osmosis & osm	11
	Dominant Equilibrium	
	Starling's function	
	Hydrostatic	
	onc pressure	11

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 Year - 2023 - 2024

Date	Topic	Taught Topic By
XXVII	Acid base balance	Dr. Manoj D. Gadgil
XXVIII	Respiratory centres	Dr. Manoj D. Gadgil
XXIX	Structural aspect of nose and ear	
XX	Immunology	
XXI	Function of testis	
XXII	Electrolyte of cells	
XXIII	Body fluids	
XXIV	Hormones	
XXV	Organ function test	
	Diver ET	
	Peru ET	
	Thyroid	
XXVI	Free radicals	
XXVII	Synthetic	

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 Year - 2023 - 2024

Date	Topic	Taught Topic By
XXVIII	Thyroid function	Dr. Manoj D. Gadgil
XXIX	Problems given in some diseases	
XXX		
XXXI		
XXXII		
XXXIII		
XXXIV		
XXXV		
XXXVI		
XXXVII		
XXXVIII		
XXXIX		
XXXX		
XXXXI		
XXXXII		
XXXXIII		
XXXXIV		
XXXXV		
XXXXVI		
XXXXVII		
XXXXVIII		
XXXXIX		
XXXXX		

Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 9

Date :- 21/1/24

Chapter :- Red Blood

Name of the Faculty :- Dr. Ashish

Topic :- Structure of RBC

No. Students :- 100

Class :- 5th Sem

- Set Induction Structure of RBC
- Entry Behaviour Ask normal values of RBC
- Specific Competencies

Specific Learning Objectives :-

- Structure of RBC
- Variation in number of RBC
Physiological & pathological
variation
- Variation in size, shape &
structure of RBC

At the end the class, the student will be able to

6. Identify functions of RBC
7. Variation in number, size, shape & structure
of RBC
8. _____
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Structure</u>	T L Method	In Class	10 min	VQA ST MCQ
2.	<u>variation in</u>	Lecture	Beyond Class	20 min	
3.	<u>number of RBC</u>				
4.	<u>size</u>	T L Method		5 min	
5.	<u>shape</u>			5 min	
6.	<u>structure</u>			10 min	

Conclusion :-

Reference :- CC Chatterjee, Sankhalyan


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Sign of H.O.D.

Sharadchandraji Pawar Homoeopathic Medical College and Hospital, Shrirampur

Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 8

Date :- 1/11/2024

Chapter :- Red Blood cells

Name of the Faculty :- Dr. Abhinav

Topic :- RBC

No. Students :- 100

Class :- 1st B.Ph

- Set Induction Starting & defn of RBC
- Entry Behaviour - Red colour of RBC
- Specific Competencies

Specific Learning Objectives :- Defn
Normal value
Morphology
Preparation
Fate of RBC

At the end the class, the student will be able to

6. tell the normal value, morphology
7. preparation & fate of RBC
8. _____
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Defn</u>	T L Method	In Class	<u>5 min</u>	
2.	<u>normal value</u>	<u>lecture</u>		<u>5 min</u>	
3.	<u>morphology</u>			<u>10 min</u>	
4.	<u>preparation</u>	T L Method	Beyond Class	<u>10 min</u>	
5.	<u>fate of RBC</u>	<u>Gr. Discussion</u>		<u>15 min</u>	
6.					

Conclusion :-

Reference :- CC Chakraborty, Sanchuligam


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Department of Physiology

Lesson Plan

Domain Capsidic

Lesson Plan No. :- 7

Date :- 29/12/23

Chapter :- plasma proteins

Name of the Faculty :- Dr. Akhoy

Topic :- func of plasma proteins

No. Students :- 100

Class :- plasmapheresis

- Set Induction imp of plasma proteins
- Entry Behaviour
- Specific Competencies

Specific Learning Objectives :- functions of plasma proteins
- plasmapheresis

At the end the class, the student will be able to

6. Tell function of plasma proteins
7. plasmapheresis a type procedure, Imp
8. of plasma proteins
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>functions of</u>	T L Method	In Class	<u>25 min</u>	<u>MCQ</u> <u>MCQ</u> <u>ST</u>
2.	<u>plasma protein labo</u>				
3.					
4.	<u>plasma pheresis</u>	T L Method	Beyond Class	<u>30 min</u>	
5.					
6.					

Conclusion :-

Reference :- CC. Chandraji


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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- (C)

Date :- 27/12/25

Chapter :- Plasma proteins

Name of the Faculty :- Dr. Akhraj

Topic :- Plasma proteins

No. Students :- 100

Class :- 3rd BHMS

- Set Induction Start 2 types of plasma proteins
- Entry Behaviour - Ask map of plasma proteins
- Specific Competencies

Specific Learning Objectives :-

- 1 type
- Plasma volume

- Properties
- Origin

At the end the class, the student will be able to - Separation of plasma proteins

6. Tell 1 type, plasma volume, properties, origin
7. & separation of plasma proteins
8. _____
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>1 type, vol</u>	T/L Method	In Class	<u>5 min</u>	<u>196</u> <u>Sol.</u> <u>MCA.</u>
2.	<u>volume</u>	<u>lecture</u>		<u>5 min</u>	
3.	<u>properties</u>			<u>10 min</u>	
4.	<u>Origin</u>	T/L Method	Beyond Class	<u>5 min</u>	
5.	<u>Separation of</u>	<u>eg. discussion</u>		<u>5 min</u>	
6.	<u>at</u>			<u>15 min</u>	

Conclusion :-

Reference :- C.C. Chakravarty

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 5

Date :- 28/12/23

Chapter :- Blood

Name of the Faculty :- Dr. P. P. P.

Topic :- Functions of blood

No. Students :- 100

Class :- 3rd BPH

- Set Induction fun of blood
- Entry Behaviour - ask ques of blood
- Specific Competencies

Specific Learning Objectives :- Functions of blood in detail

At the end the class, the student will be able to

6. Tell all functions of blood in detail
7. _____
8. _____
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>fun of</u>	T L Method	In Class	<u>50 mins</u>	<u>2/16</u> <u>1/10</u>
2.	<u>blood</u>	<u>detour</u>			
3.					
4.	<u>Revisio</u>	T L Method	Beyond Class	<u>10 mins</u>	
5.					
6.					

Conclusion :-

C.A. Chatterjee

Reference :-


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Department of Physiology

Lesson Plan

Domain Cognition & Psycho motor

Lesson Plan No. :- 4

Date :- 20/12/23

Chapter :- Blood

Name of the Faculty :- Dr. Ashwini

Topic :- Introduction, properties, composition of blood.

No. Students :- 100

Class :- Hemotocrit value, plasma & serum

- Set Induction Start i. defn of blood
- Entry Behaviour ask imp of blood
- Specific Competencies

Specific Learning Objectives :-

- Defn
- properties
- Composition of blood
- Hemotocrit value

At the end the class, the student will be able to

6. Know defn properties & composition of blood
7. _____
8. Hemotocrit value
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Defn</u>	T L Method	In Class	<u>5 mins</u>	<u>LPA</u> <u>50%</u>
2.	<u>properties</u>	<u>lecture</u>		<u>10 mins</u>	
3.					
4.	<u>Composition</u>	T L Method	Beyond Class	<u>20 mins</u>	
5.		<u>practical of</u>			
6.	<u>Hemotocrit value</u>			<u>20 mins</u>	

Conclusion :- C.C. Challenge

Reference :-


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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 3

Date :- 19/12/23

Chapter :- Body Fluid

Name of the Faculty :- Dr. Abhinav

Topic :- Concentration of body fluid

No. Students :- 100

Class :- 1st SEM

- Set Induction start & concentration of body fluid
- Entry Behaviour ask about composition of body fluid
- Specific Competencies

Specific Learning Objectives :-

1. Concentration of body fluid
2. Regulated physiology of body fluid
 - Dehydration
 - Water intoxication

At the end the class, the student will be able to

6. know - Concentration of body fluid
7. Dehydration & water intoxication &
8. Defo, causes, clinical features &
9. treatment.
- 10.

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Concentration of body fluid</u>	T L Method	In Class	15 min	1700. 5th
2.	<u>Dehydration</u>	lecture			
3.					
4.	<u>Dehydration</u>	T L Method	Beyond Class	20 min	
5.	<u>Water intoxication</u>	Program		20 min	
6.					

Conclusion :-

Reference :-

C.C. Chatterjee


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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 2

Date :- 18/12/23

Chapter :- Body Fluid

Name of the Faculty :- Dr. Prabhu

Topic :- Body Fluid

No. Students :- 100

Class :- 1st BSc

- Set Induction Start 2 Desn of body fluid
- Entry Behaviour - ask about jarg of body fluid
- Specific Competencies

Specific Learning Objectives :-

- Desn of body fluid
- Extracellular of body fluid
- Compartment of - "
- Composition - "

At the end the class, the student will be able to

6. Tell Desn, importance, compartment &
7. Composition of body fluid
8. _____
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment	
1.	<u>Desn</u>	T L Method	In. Class	5 min	Set. 200 17/12	
2.	<u>Extracellular</u>	<u>lecture</u>	Beyond Class	10 min		
3.		<u>of discussion</u>				
4.	<u>Compartment</u>	T L Method				15 min
5.		<u>Program</u>				
6.	<u>Composition</u>					20 min

Conclusion :- body fluid

Reference :- CC challenge


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Beds 2023-24

Sharadchandraji Pawar Homoeopathic Medical College and Hospital, Shrirampur

Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 1

Date :- 15/12/2023

Chapter :- Physiology

Name of the Faculty :- Dr. Akshay

Topic :- General introduction about Physiology

No. Students :- 92

Class :- 1st BScHons

- Set Induction Start a defn of physiology
- Entry Behaviour Ask about physiology
- Specific Competencies

Specific Learning Objectives :-

- Defn of physiology
- Importance of studying physiology
- Content of physiology (cell systems & Biochemistry)

At the end the class, the student will be able to

6. Should know Defn & imp of
7. Physiology
8. _____
9. _____
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Defn</u>	T L Method	In Class	<u>5 min</u>	
2.	<u>Imp</u>	<u>Lecture</u>		<u>15 min</u>	
3.					
4.	<u>Content</u>	T L Method	Beyond Class	<u>20 min</u>	
5.					
6.					

Conclusion :-

Reference :- C.C. Chatterjee


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Department of Physiology

Lesson Plan

Domain: Cognitive

Lesson Plan No.: 01

Date: 7/11/2023

Chapter: Cardiovascular system (CVS) Name of the Faculty: Gradekar D.T.

Topic: Overview of CVS No. Students: P = 26

Class: IBHMS Batch -23 A = 70

- Set Induction Introduction to Cardiovascular system
- Entry Behaviour overview of CVS & other systems in body
- Specific Competencies what are systems & CVS

Specific Learning Objectives:-

- Give knowledge about systems in living body & focus on Cardiovascular system & Heart

At the end the class, the student will be able to

1. What are systems in ~~body~~ body
2. Overview of Cardiovascular system
3. Details of Heart & its structure
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>What are</u>	TL Method	In Class	5 min	LARs
2.	<u>systems in</u>	Diagram		15 min	
3.	<u>body</u>	Lecture		5 min	MCQs
4.	<u>Cardiovascular</u>	TL Method	Beyond Class	10 min	
5.	<u>systemic</u>			20 min	LARs
6.	<u>heart</u>				

Conclusion: Students know details about what is system & Heart

Reference:-

G.C. Chatterji & Sambulingum

Gradekar D.T.

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Sign of H.O.D.

Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 02

Date :- 8/12/2023

Chapter :- Cardiovascular

Name of the Faculty :- Dr. Deepthi

Topic :- Layers of walls of heart ^{System}

Gradekar

Class :- I BHMS Batch 2023-24

No. Students :- P = 20
A = 66
T = 86

- Set Induction Layers of walls of Heart
- Entry Behaviour Explain details of layers of heart
- Specific Competencies what are the layers of heart & types

Specific Learning Objectives :-

- Give knowledge about layers of heart & its importance.

At the end the class, the student will be able to

1. Students knows what are layers of heart
2. The types of layers of heart
3. Importance of layers of heart
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Layers of	TL Method	In Class	5 min	LARs
2.	walls of	Lecture		15 min	
3.	heart &	Diagram		5 min	MCQs
4.	its import	TL Method	Beyond Class	10 min	LARs
5.	-ance			20 min	
6.					

Conclusion :- students know layers of walls of heart & its importance

Reference :-

G.C. Chatterjee & Sambulingum
Gradekar

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 03

Date :- 9/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepthi Gaddekar

Topic :- Valves of Heart

No. Students P=66

Class :- I BHMS Nov. 2023

A=20
T=86

- Set Induction What are the valves of heart
- Entry Behaviour Explain names & types of valves of heart
- Specific Competencies Explain specific names of valves of heart.

Specific Learning Objectives :-

- Give knowledge of valves, their functioning & all details about valves of heart.

At the end the class, the student will be able to

1. Valves of heart & what are they.
2. The names of valves of heart
3. types of valves of heart
4. Their functioning in cardiovascular system.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Names of	T.L Method	In Class	5 min	LARs
2.	valves of	Diagram		15 min	
3.	heart &	lecture		5 min	MCRs
4.	their	T.L Method	Beyond Class	10 min	
5.	functioning			20 min	SARs
6.	in CVS				

Conclusion :- 3 students know what are the valves of heart & their types & shape of valves

Reference :-

C.C. Chatterjee & Sambulingum
Gaddekar

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 04

Date :- 11/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepthi

Topic :- Blood vessels of Heart

No. Students :- B=60 Gradekar
A=26
T=86

Class :- I BHMS Batch 2023-24

- Set Induction Blood vessels in our body & Heart
- Entry Behaviour Names of all blood vessels of Heart
- Specific Competencies Arterial system of circulation

Specific Learning Objectives :-

→ Blood vessels in our body & in cardiovascular system & their applied physiology

At the end the class, the student will be able to

1. Names of blood vessels in heart as well as in body
2. Applied physiology of blood vessels of heart
3. Functioning of blood vessels of heart
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Names of	TL Method	In Class	5 min	LAQS
2.	blood vessels	Diagram		15 min	
3.	of heart	Lecture		5 min	MCQS
4.	Applied	TL Method	Beyond Class	10 min	SAQS
5.	physiology of			20 min	
6.	blood vessels				

Conclusion :- Students know what are the blood vessels in

Reference :- Heart & their functions

C.C. Chatterjee & Sumbulingum
Gradekar

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Department of Physiology

Lesson Plan

Domain: Cognitive

Lesson Plan No. :- 05

Date :- 12/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- Venous system

No. Students :- P=58

Class :- I BHMS Batch 2023-24

A=28

T=86

- Set Induction venous system & capillaries in heart.
- Entry Behaviour parts of venous system of heart
- Specific Competencies Venous system of heart includes

Specific Learning Objectives :-

Venuoles, veins & venae cavae.

- Give knowledge about venous system of heart including applied physiology.

At the end the class, the student will be able to

1. know about venous system of heart.
2. venous system of heart includes venuoles, vein
3. A venae cavae etc.
4. Applied physiology of venous system.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Names of	T L Method	In Class	5 min	LAQs
2.	veins in	Diagram		15 min	
3.	venous	Lecture		5 min	SAQs
4.	systemic	T L Method	Beyond Class	10 min	
5.	applied			20 min	MCQs
6.	physiology				

Conclusion :- students know well about venous system like

Reference :- contains venuoles, veins & venae cavae etc

C.C. Chatterjee & Sambulingum

Gadekar D
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 06

Date :- 13/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepthi

Topic :- properties of cardiac muscle

No. Students :- A=16
P=70
T=86
Gadekar

Class :- I BHMS (Nov-23)

- Set Induction Resting potential cardiac muscle.
- Entry Behaviour varies from other muscles
- Specific Competencies know details about how they are different from other muscle.

Specific Learning Objectives :-

To know what is action potential in cardiac muscle & its importance.

At the end the class, the student will be able to

1. Properties of cardiac muscle (Revision)
2. action potential in cardiac muscle
3. Its importance in cardiovascular system
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>properties</u>	T L Method	In Class	<u>5 min</u>	<u>LAQs</u>
2.	<u>of cardiac</u>	Lecture		<u>15 min</u>	
3.	<u>muscle.</u>	Diagram		<u>5 min</u>	<u>SAQs</u>
4.	<u>Action</u>	T L Method	Beyond Class	<u>10 min</u>	<u>MCQs</u>
5.	<u>potential in</u>			<u>20 min</u>	
6.	<u>cardiac muscle</u>				

Conclusion :- Know well about Action potential in cardiac muscle

Reference :-

C.C. Chatterjee & Sambulingum
Gadekar
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 067

Date :- 14/12/2023

Chapter :- Cardiovascular System

Name of the Faculty :- Dr. Deepthi Gradekar

Topic :- Complications in blood vessels of heart

No. Students :- p=72
A=14
T=86

Class :- I BHMS batch 2023-24

- Set Induction Introduction to blood vessels in heart
- Entry Behaviour Disease conditions of blood vessels in heart
- Specific Competencies complications of —||— heart

Specific Learning Objectives :-

- Students have knowledge about blood vessels of heart, their applied physiology & complications.

At the end the class, the student will be able to

1. know the blood vessels of heart.
2. their disease condition of each blood vessel
3. complications when untreated such disease
4. condition of heart blood vessels.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Blood vessels	TL Method	In Class	5 min	LAGS
2.	of heart	Lecture		15 min	
3.	dise condn	Diagram		5 min	SAGS
4.	complications	TL Method	Beyond Class	10 min	
5.	of bld			20 min	MCAQs
6.	vessels				

Conclusion :- Students know well about dise condition & complications of blood vessels of heart.

Reference :-

C.C. Chatterjee & Sampulungum
Gradekar D

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 09

Date :- 16/12/2023

Chapter :- Cardiovascular System

Name of the Faculty :- Dr. Deepthi

Topic :- Properties of CVS

No. Students :- P = 72
A = 14
T = 86

Class :- I BHMS (Nov 2023)

- Set Induction Explain details of properties of heart
- Entry Behaviour what are the functioning of heart
- Specific Competencies How these properties heart are involved

Specific Learning Objectives :-

- Students have knowledge about properties of heart & how they involved in functioning of heart

At the end the class, the student will be able to

1. Details about properties of heart
2. how they are involved in heart functioning
3. what are the processes involved in
4. properties of heart.
5. _____


Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	properties	T.L Method	In Class	5 min	LACs
2.	of heart	Diagram		15 min	SACs
3.	& its	Lecture		5 min	
4.	functioning	T.L Method	Beyond Class	10 min	MCA
5.				20 min	
6.					

Conclusion :- known well about properties of heart muscle & its functions

Reference :-

C.C. chatterjee & sambulingam

Deepthi
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 10

Date :- 18/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepti Gradekar

Topic :- SA pacemaker of heart

No. Students :- P=46
A=40
T=86

Class :- I BHMS (Nov 2023)

- Set Induction What are the pacemakers of heart
- Entry Behaviour what is SA mode of heart
- Specific Competencies Importance of SA node & its importance in CVS.

Specific Learning Objectives :-

- Know details about SA Node & pacemaker of heart & its importance.

At the end the class, the student will be able to

1. What is pacemaker of heart
2. What is SA node of heart
3. Importance of pacemaker in CVS
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	pacemaker	TL Method	In Class	5 min	LACs
2.	of Heart	Diagram	Discussion	15 min	
3.	SA node &	Lecture	Ans & Qs	5 min	SAQs
4.	its	TL Method	Beyond Class	10 min	
5.	Importance			20 min	MCQs
6.					

Conclusion :- Given importance of pacemaker & SA Node in heart

Reference :-

C.C. chatterjee & Sambulingum

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 11

Date :- 19/12/2023

Chapter :- Cardiovascular System

Name of the Faculty :- Dr. Deepthi

Topic :- AV nodal delay

No. Students :- P=56
A=30
T.I.SG

Class :- I BHMS (Nov. 2023)

- Set Induction: What is AV nodal delay & its importance
- Entry Behaviour: Definition of AV nodal delay
- Specific Competencies: its causes & importance.

Specific Learning Objectives :-

- What is AV nodal delay & importance in cardiovascular system.

At the end the class, the student will be able to

1. What is AV nodal delay
2. Importance of AV nodal delay.
3. How conduction of impulses takes place.
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	What is	T.L Method	In Class	5 min	LACs
2.	AV nodal	Diagram	Discussion	15 min	
3.	delay &	Lecture	Ans & Qs	5 min	SAQs
4.	its	T.L Method	Beyond Class	10 min	MCQs
5.	Importance			20 min	
6.					

Conclusion :- Details about AV nodal delay & importance in cardiovascular system

Reference :-

C.C. Chatterjee & Sambulingam
 Gradekambit
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 12

Date :- 20/12/2023

Chapter :- Cardiovascular System

Name of the Faculty :- Dr. Deepthi

Topic :- Refractory period

No. Students :- P = 66
A = 20
T = 86

Class :- II Btms (Nov - 2023)

- Set Induction what is refractory period in heart
- Entry Behaviour Importance of refractory period of
- Specific Competencies How it is identified in heart quiescent heart of frog

Specific Learning Objectives :-

- Knowledge about refractory period in heart

At the end the class, the student will be able to

1. Definition of refractory period in heart
2. Importance of refractory period in heart
3. How it is determined.
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Refractory	TL Method	In Class	5 min	LACS
2.	period in	Diagram	Discussion	15 min	SACS
3.	heart &	lecture	Ans & Qs	5 min	MCS
4.	its	TL Method	Beyond Class	10 min	
5.	Importance			10 min	
6.					

Conclusion :- What is refractory period in cardiac muscle & its importance

Reference :-

C.C. Chatterjee & Sambulingum
Gaddekar

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 13

Date :- 21/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. D. Deepthi
Gradekar

Topic :- Cardiac cycle

No. Students :- P = 64
A = 22
T = 86

Class :- I BHMS (Nov 2023)

- Set Induction what is cardiac cycle (Definition)
- Entry Behaviour Events in cardiac cycle & Duration
- Specific Competencies ventricular & Atrial events in Cardiac cycle

Specific Learning Objectives :-

- Defⁿ of cardiac cycle & its events
- How Heart beats carried out.

At the end the class, the student will be able to

1. Definition of cardiac cycle.
2. ventricular & atrial events of cardiac cycle.
3. duration of cardiac cycle in each beat.
4. _____
5. _____


Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	cardiac	TL Method	In Class	5 min	LACs
2.	cycle its	Lecture	Discussion	15 min	SACs
3.	events &	Diagram	MCQs & Ans &	5 min	SACs
4.	Duration	TL Method	Beyond Class Qs	10 min	MCQs
5.	Heart			20 min	
6.	beats				

Conclusion :- what is cardiac cycle, events & duration

Reference :-

C.C. Chatterjee & Sambulingam
Gradekar

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Department of Physiology

Lesson Plan

Domain Psychomotor

Lesson Plan No. :- 14

Date :- 22/12/2023

Chapter :- Cardiovascular System

Name of the Faculty :- Dr. Deepthi

Topic :- Heart sounds

No. Students :- P=78

Gradekar

Class :- BHMS (Nov 2023)

A=08
T=86

- Set Induction what are Heart sounds, Defⁿ & types.
- Entry Behaviour heart sounds & their identification.
- Specific Competencies to differentiate betⁿ I, II & III & IV heart sounds

Specific Learning Objectives :-

- knowledge about heart sounds, their types & differentiation Ist, IInd, IIIrd & IVth sounds

At the end the class, the student will be able to

1. What are heart sounds
2. types of heart sounds
3. How differentiate betⁿ I, II, III & IV
4. heart sounds
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Heart sounds,	TL Method	In Class	5 min	LAQs
2.	Types	Diagram	theory Def ⁿ types	15 min	MCQs
3.	Differentiation	Lecture	Beyond Class	5 min	SAQs
4.	clinical	TL Method	Hear the I, II, III, IV	10 min	
5.				20 min	

Conclusion :- How to identify different heart sounds

Reference :-

EC Chatterjee & Sambulingum
Gradekar

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Department of Physiology

Lesson Plan

Domain: Psychomotor

Lesson Plan No. :- 15

Date :- 23/12/2023

Chapter :- Cardiovascular system Name of the Faculty :- Dr. Cradekar Dr.

Topic :- Methods to study heart sounds No. Students :- P = 56
A = 30
T = 86

Class :- BHMS (Nov 2023)

- Set Induction what are Heart sounds & its types
- Entry Behaviour How to differentiate betⁿ I, II, III & IVth
- Specific Competencies Hear this heart sounds only I & IInd.

Specific Learning Objectives :-

= How to differentiate betⁿ I, II, III & IVth heart sounds & their abnormalities.
& methods for heart sounds.

At the end the class, the student will be able to

1. Heart sounds definition
2. Heart sounds types & their characteristics
3. Applied physiology of heart sounds
4. Hear methods for heart sounds
- 5.

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	methods	TL Method	In Class	5 min	LAQs
2.	for differen	Lecture	theory methods	15 min	
3.	write the	diagram	of heart sound	5 min	SAQs
4.	heart	TL Method	Beyond Class	10 min	MCQs
5.	sounds		hearing diff	20 min	
6.			sound & diff methods		

Conclusion :- knowledge about methods of study of heart sounds.

Reference :-

C.C. Chatterjee & Sombulingam
Cradekar

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Sign of H.O.D.

Department of Physiology

Lesson Plan

Domain Psychomotor

Lesson Plan No. :- 16

Date :- 26/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Gaddekar D.T.

Topic :- Phonocardiogram

No. Students :- P = 46

Class :- BHMSc (Nov 2023)

A = 40
T = 86

- Set Induction What is phonocardiogram
- Entry Behaviour Importance & uses of phonocardiogram
- Specific Competencies functioning of phonocardiogram

Specific Learning Objectives :-

Importance of phonocardiogram, How recording of heart sounds takes place in phonocardiogram

At the end the class, the student will be able to

1. Phonocardiogram functioning related to
2. heart
3. how it works & importance
4. How recording takes place.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	phonocardiogram	T.L Method	In Class	5 min	LARs
2.	its	Lecture	theory about	15 min	
3.	functioning	Diagram	It/Ans	5 min	SARs
4.	&	T.L Method	Beyond Class	10 min	
5.			How it work	20 min	MCQs
6.	Importance		show phonocardiogram		

Conclusion :- What is phonocardiogram & its importance

Reference :- How it is recorded.

C.C. Chatterjee & Sambulingum
Gaddekar D.T.
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Department of Physiology

Lesson Plan

Domain Psychomotor

Lesson Plan No. :- 17

Date :- 27/12/2023

Chapter :- Cardiovascular System

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- Cardiac murmur

No. Students :- P = 76
A = 10
T = 86

Class :- IBHMS (NOV 2023)

- Set Induction What is cardiac murmur
- Entry Behaviour Identification of Cardiac murmur.
- Specific Competencies How to identify Cardiac murmur & Normal heart sounds

Specific Learning Objectives :-

knowledge about cardiac murmur & differentiate it from normal heart sounds.

At the end the class, the student will be able to

1. What is cardiac murmur
2. How it is differentiated from heard sounds (N)
3. causes & pathological condition of cardiac murmur
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	cardiac	T.L Method	In Class	5 min	LAQs SAQs MCQs
2.	murmur	lecture	theory causes	15 min	
3.	pathological	Diagram	4 types	5 min	
4.	conds	T.L Method	Beyond Class	10 min	
5.	Normal		hear cardiac	20 min	
6.	Heart sounds		murmur & stethoscope		

Conclusion :- what is cardiac murmur differs from normal heart sounds

Reference :-

C.C. Chatterjee & Sambulingum.

Gadekar DP
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Department of Physiology

Lesson Plan

Domain Psychomotor

Lesson Plan No. :- 18

Date :- 28/12/2023

Chapter :- Cardiovascular System Name of the Faculty :- Dr Deepthi Gadekar

Topic :- patent ductus arteriosus No. Students :- P=64

Class :- IBHMS (Nov 2023)

A=22
T=86

- Set Induction what is patent ductus arteriosus
- Entry Behaviour How it is involved in cardiac murmur
- Specific Competencies characteristics of patent ductus arteriosus

Specific Learning Objectives :-

- know details about patent ductus arteriosus & characteristics of it & imp. in cardiac murmur

At the end the class, the student will be able to

1. Details about patent ductus arteriosus
2. characteristics of -||-
3. How cardiac murmur heard -||-
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>patent</u>	TL Method Lecture diagram	In Class theory, def ⁿ , importance	5 min	LAQs
2.	<u>ductus</u>			15 min	
3.	<u>arteriosus</u>			10 min	
4.	<u>& cardiac</u>	TL Method	Beyond Class disease, cond ⁿ & hear cardiac	5 min	SAQs
5.	<u>murmur</u>			20 min	
6.					

Conclusion :- what is patent murmur ductus arteriosus

Reference :- explained & cardiac murmur

C.C. Chatterjee & Sambulingam

Gadekar DI

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Department of Physiology

Lesson Plan

Domain Psychomotor

Lesson Plan No. :- 19

Date :- 29/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepthi

Topic :- Arterial & venous pulse

No. Students :- P = 66
A = 20
T = 86
Gradekar

Class :- I BHM S (Nov 2023)

- Set Induction What is arterial & venous pulse
- Entry Behaviour Arterial & venous blood pressure
- Specific Competencies Differentiate between arterial & venous pulse

Specific Learning Objectives :-

Knowledge about arterial & venous pulse & Differentiate both pressure.

At the end the class, the student will be able to

6. What is arterial & venous pulse
7. What is arterial & venous pressure
8. recognizing arterial & venous pulse
9. in practically
10. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Arterial &</u>	TL Method	In Class	5 min	LACs SACs
2.	<u>venous</u>	Lecture	theory	15 min	
3.	<u>pulse</u>	Diagram	explanation	10 min	
4.	<u>Arterial &</u>	TL Method	Beyond Class	5 min	MCQs
5.	<u>venous</u>		Do it	20 min	
6.	<u>pressure</u>		practically		

Conclusion :- what Arterial & venous pulse

Reference :- what is Arterial & venous pressure

cc. chatterjee & sambulingum

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Department of Physiology

Lesson Plan

Domain Psychomotor

Lesson Plan No. :- 20

Date :- 30/12/2023

Chapter :- Cardiovascular system

Name of the Faculty :- Dr. Deepthi Gadegaonkar

Topic :- circulation in heart & Heart failure

No. Students :- T = 86

Class :- I BHMS (Nov 2023)

P = 60

A = 26

- Set Induction circulation in heart like cerebral,
- Entry Behaviour How it is carried out splanchnic & processes involved in circulation
- Specific Competencies & what is heart failure causes

Specific Learning Objectives :-

Knowledge about circulation in heart & what is heart failure causes, CHF etc.

At the end the class, the student will be able to

1. students know about circulation in heart
2. what is cardiac failure, defn, causes
3. CHF, Rx & Hom. management
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	circulation	TL Method	In Class	5 min	LACs
2.	in heart	Lecture	theory	15 min	
3.	Heart	Diagram		10 min	SACs
4.	failure	TL Method	Beyond Class	5 min	MCAs
5.	CHF, causes			20 min	
6.					

Conclusion :- what is circulation in heart & Cardiac failure

Reference :-

C.C. Chatterjee & Sambalingum
Gadegaonkar
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Department of Physiology

Lesson Plan

Domain Physiology (Cognitive)

Lesson Plan No. :- 1

Date :- 15/12/2023

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi

Topic :- Introduction of cell

No. Students :- T=100 Gradekar

Class :- Ist BHMS Nov 2025

P = 94
A = 06

- Set Induction Start with the what is cell & its
- Entry Behaviour through the basic importance
- Specific Competencies unit of living body

Specific Learning Objectives :- Defination, its structure, function & general characteristics

Give knowledge about the of living body. Cell of living body like humans

At the end the class, the student will be able to

1. Defination of cell
2. Importance of cell in living body
3. know the structure of cell
4. know the function in living body.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Def'n of</u>	<u>TL Method</u>	<u>In Class</u>	<u>5min</u>	<u>LARs</u>
2.	<u>cell &</u>	<u>Diagram</u>		<u>15min</u>	
3.	<u>function</u>	<u>Lecture</u>		<u>5min</u>	<u>MARs</u>
4.	<u>-General</u>	<u>TL Method</u>	<u>Beyond Class</u>	<u>10min</u>	
5.	<u>Characteristics</u>	<u>with help of slide</u>		<u>20min</u>	<u>LARs</u>
6.					

Conclusion :- students knows all about cell.

Reference :- C.C. chatterjee, Sambulingam

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Department of Physiology

Lesson Plan

Domain Physiology (cognitive)

Lesson Plan No. :- 2

Date :- 16/12/2023

Chapter :- cell physiology

Name of the Faculty :- Dr. Deepthi Cradekar

Topic :- Structure of cell in

No. Students :- T=100
P=93
A=07

Class :- I BHMS detail
Nov 2023

- Set Induction start @ the structure of cells
- Entry Behaviour through understanding constituents of
- Specific Competencies cell made by 2 layers structure of cell

Specific Learning Objectives :- ① Extracellular space ② Extracellular matrix
Give knowledge about the structure of cell.

At the end the class, the student will be able to

1. Structure of cell
2. Layers of cell
3. General characteristics of cell
4. know about the composition of cells
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	layers of	TL Method	In Class	5 min	1-MAQS
2.	cell with	Diagram		15 min	
3.	microscope	lecture		5 min	MCQS
4.	composition	TL Method	Beyond Class	10 min	LACS
5.	of cell	with help		20 min	
6.		of slide			

Conclusion :- Students know about str of cell & its

Reference :- Layers.

C.C. Chatterjee & Sambulingum
Cradekar
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Department of Physiology

Lesson Plan

Domain Physiology (Cognitive)

Lesson Plan No. :- 3

Date :- 18/12/2023

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepti Gradekar

Topic :- Tissue, organ & system

No. Students :- 100

Class :- 1st BHMS Nov 2023

P=96
A=99
organ & system

- Set Induction Defn of all of tissue, organ & system
- Entry Behaviour through the concepts of tissue, organ & system
- Specific Competencies Defination, structure, how they formed, importance of them in living body.

Specific Learning Objectives :-

- Give detail

Knowledge about tissue, organ & system

At the end the class, the student will be able to

1. Define each term tissue, organ & system.
2. clear understanding of each term
3. How they formed.
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Defn</u>	<u>TL Method</u>	<u>In Class</u>	<u>5 min</u>	<u>LAQs</u>
2.	<u>How they</u>	<u>Diagram</u>		<u>15 min</u>	
3.	<u>formed</u>	<u>Lecture</u>		<u>5 min</u>	<u>MCQs</u>
4.	<u>General</u>	<u>TL Method</u>	<u>Beyond Class</u>	<u>10 min</u>	<u>LAQs</u>
5.	<u>Characteristics</u>	<u>-</u>		<u>20 min</u>	
6.					

Conclusion :- Students have proper understanding of tissues, organ & system

Reference :-

C.C. Chatterjee & Sambulingam

Gradekar DT
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No.: 04

Date: 19/12/2023

Chapter: Cell physiology

Name of the Faculty: Dr. Deepthi Gradekar

Topic: Structure of cell membrane

No. Students: T=100
P=98
A=02

Class: 1st BHMS Batch Nov-2025

- Set Induction what is cell membrane
- Entry Behaviour through the concept of cell membrane
- Specific Competencies Defn of cell membrane & its layers

Specific Learning Objectives:-

Give detail knowledge about structure of cell membrane

At the end the class, the student will be able to

1. Definition of cell membrane
2. clear understanding of cell membrane
3. How it is formed
4. its layers of cell membrane.
- 5.

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Defn & How	TL Method	In Class	5 min	LARs
2.	they formed	Diagram		15 min	
3.	General	Lecture		5 min	MCQs
4.	Features	TL Method	Beyond Class	10 min	
5.	like layers			20 min	LARs
6.					

Conclusion: Students have proper understanding of cell membrane.

Reference:-

G.C. Chatterjee & Sambulingum

Gradekar D.I.
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 05

Date :- 20/12/2023

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi

Topic :- functions of cell membrane

No. Students :- Gadekar
T=100

Class :-

- Ist BHMS Batch - Nov-2025
 • Set Induction what are important funⁿ of cell membrane
 • Entry Behaviour clear understanding of membrane
 • Specific Competencies cell membrane.

Specific Learning Objectives :-

functions of cell membrane
 Gives knowledge about the functions of cell membrane in cell in living body

At the end the class, the student will be able to

1. functions of cell membrane
2. why they are important in
3. our body.
4. How they take part in various
5. chemical reactions.


Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	fun ⁿ of	TL Method	In Class	5 min	LAQs
2.	cell	Diagram		15 min	
3.	membrane	Lecture		5 min	MCQs
4.	How take	TL Method	Beyond Class	10 min	
5.	part in			20 min	LAQs
6.	chemical reactions				

Conclusion :- Students throughout learn the function of cell membrane.

Reference :-

C.C. Chatterjee & Sambulingum

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 06

Date :- 20/12/2023

Chapter :- cell physiology

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- cytoplasm of cells

No. Students :- T = 100
P = 97
A = 03

Class :- ± BHMS Batch 2025

- Set Induction what is cell cytoplasm & its organelles
- Entry Behaviour clear understanding of cell cytoplasm
- Specific Competencies why cell cytoplasm is important & its structure

Specific Learning Objectives :-

Give knowledge about what is cell cytoplasm in Human beings

At the end the class, the student will be able to


1. what is cytoplasm of the cell.
2. what are the organelle of cytoplasm.
3. Structure of cytoplasm how it form
4. particles in cytoplasm of cell
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	What is cytoplasm.	T.L Method	In Class	5 min	LAQs
2.	Structure of cytoplasm	Diagram	Beyond Class	15 min	MCQs
3.	particles of cytoplasm	Lecture		5 min	
4.	cytoplasm	T.L Method		10 min	
5.	particles of cytoplasm			20 min	

Conclusion :- student knows about what is cytoplasm. what are the structures of cytoplasm.

Reference :- C.C. Chatterjee
Sambulingum

Gadekar D.
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Lesson Plan

Domain Cognitive

Lesson Plan No. :- 07

Date :- 21/12/23

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi

Topic :- Endoplasmic reticulum No. Students :- T=100
P=48
A=02

Class :- I BHMS Batch 2024

- Set Induction What is endoplasmic reticulum.
- Entry Behaviour Clear understanding of endoplasmic reticulum.
- Specific Competencies endoplasmic reticulum

Specific Learning Objectives :-

its types of endoplasmic reticulum.
- Give knowledge about endoplasmic reticulum of cell.

At the end the class, the student will be able to

1. What is endoplasmic reticulum
2. It's types of endoplasmic
3. reticulum.
4. It's importance of endoplasmic
5. reticulum.

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>What is</u>	T.L Method	In Class	<u>5 min</u>	<u>LAQs</u>
2.	<u>endoplasmic</u>		<u>Lecture</u>	<u>15 min</u>	
3.	<u>reticulum</u>		<u>Diagram</u>	<u>5 min</u>	<u>MCQs</u>
4.	<u>It's</u>	T.L Method	Beyond Class	<u>10 min</u>	
5.	<u>types</u>			<u>20 min</u>	<u>LAQs</u>
6.					

Conclusion :- students have proper understanding of endoplasmic reticulum of cell.

Reference :-

CC. Chatterjee
Sambulingum
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Lesson Plan

Domain cognitive

Lesson Plan No. :- 08

Date :- 23/12/23

Chapter :- Cell physiology

Name of the Faculty :- Dr. Gadekar DT.

Topic :- Golgi Apparatus

No. Students :- T=100

Class :- I BHMS Batch - Nov 2022

P=75

A=025

- Set Induction what is golgi apparatus & its str
- Entry Behaviour clear understanding about golgi
- Specific Competencies golgi apparatus & its str apparatus like cristae, glycoproteins production

Specific Learning Objectives :-

- Give knowledge about golgi apparatus so that student know how it functioning in living body.

At the end the class, the student will be able to

1. What is golgi apparatus
2. Structure of golgi apparatus
3. Functions of golgi apparatus
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	what is	TL Method	In Class	5 min	LACs
2.	golgi app.	Lecture		15 min	
3.	its structure	Diagram		5 min	MCQs
4.	It's Fun	TL Method	Beyond Class	10 min	LACs
5.				20 min	
6.					

Conclusion :- students have proper understanding of

Reference :- golgi apparatus & its functions

cc. chatterjee

Gadekar DT

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 09

Date :- 26/12/23

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi Gradekar

Topic :- Tissue, organ & System

No. Students :- $T=100$

Class :- BHMS Batch 23-24

$P=79$

$A=21$

- Set Induction Definition of each Tissue, organ
- Entry Behaviour Revision of all defn system.
- Specific Competencies Revision of all defn like tissue, organ or system.

Specific Learning Objectives :-

— clear concepts which are basics of physiology

At the end the class, the student will be able to

1. Proper understanding of basic concepts in physiology
2. Clear concepts like tissue, organ
3. & system
4. Including examples of each concept
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Defn of	TL Method	In Class	5 min	1 AQS
2.	tissue	Lecture		15 min	
3.	organ &	Diagram		5 min	MCQs
4.	system	TL Method	Beyond Class	10 min	
5.	with			20 min	LACS
6.	example				

Conclusion :- students have clear concepts in physiology like tissue, organ & system

Reference :-

C.C. Chatterjee

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Department of Physiology

Lesson Plan

Domain: Cognitive

Lesson Plan No.: 10

Date: 27/12/23

Chapter: cell physiology

Name of the Faculty: Dr. Deepthi Gradekar

Topic: Ribosomes

No. Students: T=100
P=90
A=10

Class: IBHMS Batch 2023-24

- Set Induction what is ribosomes & its strⁿ & function
- Entry Behaviour clear understanding of ribosomes
- Specific Competencies Ribosomes, its types & functions

Specific Learning Objectives :-

- knowledge of ribosomes, types & functions in living body

At the end the class, the student will be able to

1. What is ribosomes, its types understand properly
2. How it functioning in living body
3. It's importance & it's structure in
4. cell.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Def ⁿ of	TL Method	In Class	5 min	LAQS
2.	ribosomes	Lecture		15 min	
3.	str ⁿ of	Diagram		5 min	MCQS
4.	ribosomes	TL Method	Beyond Class	10 min	LAQS
5.	types of			20 min	
6.	ribosomes				

Conclusion: proper understanding of ribosomes &

Reference: its functions in living body.

C.C. chatterjee.

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 18

Date :- 28/12/2023

Chapter :- cell physiology

Name of the Faculty :- Dr. Deepthi Cradekar

Topic :- Cytoskeleton & Nucleus

No. Students :- P = 96

Class :- I BHMS Nov 2025

A = 4

Total = 100

- Set Induction Cytoskeleton & Nucleus of cell
- Entry Behaviour Details of cytoskeleton & its function
- Specific Competencies Define nucleus of cell

Specific Learning Objectives :-

Give knowledge about cytoskeleton & nucleus of cell.

At the end the class, the student will be able to

1. student knows well about cytoskeleton
2. student knows well about nucleus
3. Give explanation of cytoskeleton & nucleus
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment	
1.	what is cytoskeleton	TL Method	In Class	5 min	LARs	
2.	what is nucleus	Diagram	Beyond Class	15 min	MCQs	
3.		Lecture		10 min		
4.		TL Method		5 min		SARs
5.				20 min		
6.						

Conclusion :- students know all about the cytoskeleton

Reference :-

C.C. Chatterjee & Sambulingum

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 12

Date :- 30/12/23

Chapter :- Cell physiology

Name of the Faculty :- Dr. Gaddekar DT.

Topic :- Revision of previous Topic

No. Students :- T=100

Class :- IBHMS Nov 2025

P=97
A=03

- Set Induction Cytoskeleton & Nucleus of Cell (Revision)
- Entry Behaviour Details of cytoskeleton (Revision)
- Specific Competencies Defination of nucleus take -

Specific Learning Objectives :-

- Give knowledge about cytoplasm, cytoskeleton & Nucleus with Revision.

At the end the class, the student will be able to

1. Students properly know about what is
2. cytoskeleton & its parts
3. Students properly know about what is
4. nucleus & its parts
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	what is	TL Method	In Class	5 min	LAQs
2.	cytoskeleton	Diagram	Beyond Class	15 min	SAQs
3.	& its parts	Lecture		10 min	
4.	Nucleus	TL Method		5 min	MAQs
5.	its part			20 min	
6.					

Conclusion :- Students knowledge about cytoskeleton & its components.

Reference :-

C. C. Chatterjee & Sambulingum

Gaddekar DT
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 13

Date :- 1/1/2024

Chapter :- cell physiology

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- Nucleus of cell

No. Students :- T = 100

A = 02

P = 98

Class :- I BHMS Nov-2025

- Set Induction what is nucleus of cell
- Entry Behaviour structure of nucleus of cell
- Specific Competencies Explain components of nucleus of cell

Specific Learning Objectives :-

- Give knowledge about the all concerns regarding nucleus of cell & its functions

At the end the class, the student will be able to

1. What is nucleus of cell
2. Basic structure of ~~cell~~ nucleus of cell
3. constituents of ~~cell~~ nucleus of cell
4. functions of nucleus in cell
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	DEF ⁿ OF nucleus of cell	TL Method	In Class	5 min	SAQs
2.	STR OF cell	Diagram	Qs & Ans	15 min	
3.	fun ⁿ s of cell	Lecture	Beyond Class	5 min	MCQs
4.	fun ⁿ s of cell	TL Method		10 min	
5.	fun ⁿ s of cell			20 min	
6.	fun ⁿ s of cell				

Conclusion :- students know well about str & funⁿs of cell

Reference :-

C.C. Chatterjee & Sambulingam

Gadekar D.
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 14

Date :- 21/12/2024

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- Deoxyribonucleic acid (DNA)

No. Students :- T=100
A=04
T=96

Class :- IBHMS (2025 Nov)

- Set Induction what is DNA of cell
- Entry Behaviour Give definition of DNA.
- Specific Competencies Structure of DNA explained.

Specific Learning Objectives :-

Live knowledge about structure of DNA & its molecules

At the end the class, the student will be able to

1. what is Deoxyribonucleic acid (DNA)
2. structure of DNA
3. molecules of DNA
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	<u>Defn</u>	TL Method	In Class	5 min	SAQs
2.	<u>Structure of DNA</u>	Diagram	Qs & Ans	15 min	
3.	<u>of DNA</u>	Lecture		5 min	
4.	<u>Its</u>	TL Method	Beyond Class	10 min	MCQs
5.	<u>molecules</u>			20 min	
6.					

Conclusion :- students know well about Deoxyribonucleic acid

Reference :-

C.C. Chatterjee & Sambulingum

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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 15

Date :- 3/11/2024

Chapter :- Deoxyribonucleic acid (DNA)

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- Molecules of DNA

No. Students :- T=100
A=02
P=98

Class :- IBHM 5 Nov 2025

- Set Induction - Explained molecules of DNA
- Entry Behaviour - DNA contains many nucleotides
- Specific Competencies - Names of each nucleotide of DNA

Specific Learning Objectives :-

- Understanding properly about molecules of DNA.

At the end the class, the student will be able to

1. know about molecules of DNA
2. containing many nucleotides of DNA
3. Names nucleotides of DNA
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Molecules of DNA	TL Method	In Class	5 min	SAQs
2.		Lecture	Qst Ans	15 min	
3.	Names of nucleotides	Diagram		5 min	
4.		TL Method	Beyond Class	10 min	MCQs
5.				20 min	
6.					

Conclusion :- Proper Understand molecules of DNA.

Reference :-

C.C. Chatterjee & Sambulingam
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 16

Date :- 4/1/2024

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi
Gradekar

Topic :- Genes of DNA molecule

No. Students :- T=100

Class :- IBHMS Nov-2025

A=03
P=97

- Set Induction what is Genes of DNA molecule
- Entry Behaviour Gene definition
- Specific Competencies what is codon?

Specific Learning Objectives :-

Genes of DNA molecule & its structure having proper understanding.

At the end the class, the student will be able to

1. know about Genes of DNA.
2. Definition of Genes
3. Structure of Genes.
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Genes	TL Method	In Class	5 min	SAQs
2.	of DNA	Diagram	Q & Ans	15 min	
3.	& its	Lecture		5 min	
4.	Structure	TL Method	Beyond Class	10 min	MCQs
5.				20 min	
6.					

Conclusion :- Proper Understanding of Genes.

Reference :-

C.C. Chatterjee & Sambulingum

Gradekar
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Department of Physiology

Lesson Plan

Domain: Cognitive

Lesson Plan No. :- 17

Date :- 5/11/2024

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi

Topic :- Genetic disorders of cell

No. Students :- T=100 Gradekar

Class :- IBHMS 1st V 2025

P=98

A=02

- Set Induction Give names of Genetic Disorders
- Entry Behaviour What is Genetic disorders
- Specific Competencies causes for Genetic disorders

Specific Learning Objectives :-

students thoroughly understands the what is genetic disorders & its causes

At the end the class, the student will be able to

1. Genetic disorder its defⁿ & explanation
2. causes for genetic disorders
3. what forms genetic disorders.
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	Genetic	T L Method	In Class	5 min	SAQs
2.	disorders	Lecture	Qs & Ans	15 min	
3.	& its	T L Method	Beyond Class	5 min	MCQs
4.	causes			10 min	
5.				20 min	
6.					

Conclusion :- Well know about what is gene & its cau

Reference :-

C.C. Chatterjee & Sambulingam
Gradekar
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Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 18

Date :- 6/11/2024

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi Gadekar

Topic :- Classification of genetic disorders

No. Students T = 100

Class :- I BHMS (Nov 2025)

P = 98

A = 02

- Set Induction classification of genetic disorders
- Entry Behaviour genes disorder & its types
- Specific Competencies genes disorder & disease conditions

Specific Learning Objectives :-

- students get knowledge about what is gene its types & disease conditions

At the end the class, the student will be able to

1. know about genes of cell
2. genes classification of cell
3. genes disorders of cell
4. genes disease conditions.
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	genes	T.L Method	In Class	5 min	SAQs
2.	genes	Lecture	Q&A Ans	15 min	MCQs
3.	disorders			5 min	
4.	disease	T.L Method	Beyond Class	10 min	
5.	conditions			20 min	
6.					

Conclusion :- know well about genes & its disorders

Reference :-

C.C. Chatterjee & Sambulingum

Gadekar
Sign of Teaching Faculty


Sign of H.O.D.

Department of Physiology

Lesson Plan

Domain Cognitive

Lesson Plan No. :- 19

Date :- 8/11/2024

Chapter :- Cell physiology

Name of the Faculty :- Dr. Deepthi ^{Gradekard}

Topic :- Ribonucleic acid (RNA)

No. Students :- T=100
P=97
A=03

Class :- IBHMS (Nov 2025)

- Set Induction what is Ribonucleic acid (RNA)
- Entry Behaviour Structure of RNA
- Specific Competencies contents of nucleotide of RNA

Specific Learning Objectives :-

— Students know about RNA & its basic structure, nucleotide of RNA.

At the end the class, the student will be able to

1. What is Ribonucleic acid (RNA)
2. Structure of Ribonucleic acid (RNA)
3. Nucleotide of RNA
4. _____
5. _____

Sr. No.	Content	Teacher Activity	Learner Activity	Duration	Formative Assessment
1.	What is RNA	TL Method	In Class	5 min	SAGs
2.	Structure of RNA	Lecture	Qs & Ans	15 min	SAGs
3.	its structure	Diagram		5 min	MCGs
4.	Nucleotide of RNA	TL Method	Beyond Class	10 min	MCGs
5.				20 min	
6.					

Conclusion :- Students know about RNA in detail

Reference :-

C.C. Chatterjee & Sambulingum

Gradekard
Sign of Teaching Faculty

Sign of H.O.D.