

**Lesson Plan for Course: Cell Biology****Code: ZOOACORT06T****Credit- 4 credits**

- Course coordinator:...RAJASHREE MALLICK.....
- Course Outcome
  - ✓ CO1:Understand the cell, tissue, organ, system and organisms.
  - ✓ CO2:Understanding of the nerve impulses conducted at myelinated and nonmyelinated nerve fibre
  - ✓ CO3: To gain the knowledge of the different endocrine glands, its structure and function

**Course planner**

<b>Date</b>	<b>Course Topic</b>	<b>Teacher</b>	<b>Class-hour</b>	<b>Remarks*</b>
<b>Jul</b>	Unit 1: Tissues	Rajashree Mallick	<b>6</b> classes	Online using google meet
28 <sup>th</sup>	Structure,			
29 <sup>th</sup>	locations,	Rajashree Mallick		Online using google meet
30 <sup>th</sup>	EXAM	Rajashree Mallick		Online using google meet
<b>Aug</b>				
4 <sup>th</sup>	Epithelial and connective tissues	Rajashree Mallick		Online using google meet
5 <sup>th</sup>	Muscle tissue	Rajashree Mallick		Online using google meet
6 <sup>TH</sup>	Exam repeat	Rajashree Mallick		Online using google meet
12 <sup>th</sup>	<b>UNIT 2: Bone</b>	Rajashree Mallick	<b>5</b>	Online using google meet
13 <sup>th</sup>	Haversian system	Rajashree Mallick		Online using google meet
18 <sup>th</sup>	Haversian	Rajashree Mallick		Online using google meet
19 <sup>th</sup>	Bone development	Rajashree Mallick		Online using google meet
20 <sup>th</sup>	Class test	Rajashree Mallick		Online using google meet
21 <sup>th</sup>	<b>Unit 3 : Neuron structure</b>	Rajashree Mallick	<b>10</b>	Online using google meet
26 <sup>th</sup>	Class exam	Rajashree Mallick		Online short test using google classroom
27 <sup>th</sup>	practical	Rajashree Mallick		Online demonstration using google meet
<b>Sep</b>				
3 <sup>rd</sup>	Action potential	Rajashree Mallick		Online using google meet
8 <sup>th</sup>	Action potential	Rajashree Mallick		Online using google meet
9 <sup>th</sup>	Synaps	Rajashree Mallick		Online using google meet

10th	practical	Rajashree Mallick		Online using google meet
15th	Neurotransmission	Rajashree Mallick		Online using google meet
16th	Reflex	Rajashree Mallick		Online using google meet
22th	Reflex	Rajashree Mallick		Online using google meet
23th	<b>UNIT 4: Muscle structure</b>	Rajashree Mallick	<b>8</b>	Online using google meet
24th	Types of muscle	Rajashree Mallick		Online using google meet
29th	Ultra structure of skeletal muscle	Rajashree Mallick		Online using google meet
30th	Ultra structure of skeletal muscle	Rajashree Mallick		Online using google meet
<b>Oct</b>	<b>Assessment: Mid-term Test</b>			
1st	Molecular and chemical basis of muscle contraction	Rajashree Mallick		Online using google meet
5th	Molecular and chemical basis of muscle contraction	Rajashree Mallick		Online using google meet
6th	Characteristics of muscle fiber	Rajashree Mallick		Online using google meet
7th	Class exam	Rajashree Mallick		Online quiz using google classroom form
13th	Unit 5: Reproductive System	Rajashree Mallick	<b>4</b>	Online using google meet
14th	Histology of testis	Rajashree Mallick		Online using google meet
15th	Histology of ovary	Rajashree Mallick		Online using google meet
20th	Physiology of Reproduction	Rajashree Mallick		Online using google meet
Nov	Unit 6: Endocrine System	Rajashree Mallick	<b>10</b>	Online using google meet
18 <sup>th</sup>	Histology of pituitary,	Rajashree Mallick		Online using google meet
19 <sup>th</sup>	Function of pituitary	Rajashree Mallick		Online using google meet
24 <sup>th</sup>	holiday	Rajashree Mallick		Online using google meet
25 <sup>th</sup>	Histology and function of	Rajashree Mallick		Online using google meet

	thyroid,			
26th	Histology and function of pancreas and adrenal	Rajashree Mallick		Online using google meet
Dec				
1 <sup>st</sup>	Classification of hormones	Rajashree Mallick		Online using google meet
2 <sup>nd</sup>	Mechanism of Hormone action	Rajashree Mallick		Online using google meet
3rd	Signal transduction pathways for Steroidal and Non steroidal hormones;	Rajashree Mallick		Online using google meet
8 <sup>th</sup>	Hypothalamus (neuroendocrine gland) - principal nuclei involved in neuroendocrine control of anterior pituitary and endocrine system	Rajashree Mallick		Online using google meet
9 <sup>th</sup>	Placental hormones	Rajashree Mallick		Online using google meet
10th	Class test			Online quiz using google classroom
	<b>Assessment: End-term Test</b>		Total: <b>43Hrs</b>	

## Resources :

1. Books:Ganong's Review of Medical Physiology by Barret; 25th Ed, McGraw-Hill, 2016
2. Ross MH, Pawlina W. 2010. Histology: A Text and Atlas. Sixth Edition. Lippincott Williams &Wilkins
3. Other resources :Internet
4. WIKIPEDIA
5. Youtubevedio
6. Doc material notes