

Bankura Christian College

Department of Physiology

3rdYEAR: SEMESTER-V (Academic Session: 2023-24)

Course Code: SH/PHY/501/C-11

Course ID: 52521

Credit- 02; Full Marks: 15

Classes: 08(Lecture)+ 04(Class test/Revision)

Course Title: Special Senses Lab

Dr Rajkumar Maiti

Course Learning Outcomes:

1. The learner will increase their abilities in fixation and staining process of nervous tissue.
2. They will develop their skill to measure visual acuity, colour blindness and tuning fork test for deafness.
3. Student will be able to gather preliminary idea on audiometry through demonstration.

Topics allotted

1. Principles of fixation and staining.
2. Staining and identification of fixed nervous tissue.
3. Determination of visual acuity by Snellen's chart / Landolt's C chart.
4. Determination of colour blindness by Ishihara chart.

MONTH/YEAR	WEEK	PORTIONS
August 2023	5	Introductory ideas on fixation and staining
MONTH/YEAR	WEEK	PORTIONS
September 2023	1	Principles of fixation and staining
	2	General ideas on fixation and staining procedure
	3	Staining and identification of fixed nervous tissue (Cerebrum)
	4	Staining and identification of fixed nervous tissue (Cerebellum)
MONTH/YEAR	WEEK	PORTIONS
October 2023	1	Staining and identification of fixed nervous tissue (Spinal cord)
	2	Revision of staining procedure on nervous tissue
MONTH/YEAR	WEEK	PORTIONS
November 2023	1	Determination of visual acuity by Snellen's chart
	2	Revision for the determination of visual acuity by Snellen's chart
	3	Determination of colour blindness by Ishihara chart
	4	Revision on Determination of colour blindness by Ishihara chart
MONTH/YEAR	WEEK	PORTIONS
December 2023	1	Revision on Special Senses Lab

Suggested Books

1. Note Books on Experimental Physiology. Published by The Physiological Society of India. Kolkata
2. Ghai, C.L. A Text Book of Practical Physiology. 8th Edition. Jaypee.
3. Pal, G.K. Pal, P. (2013).Textbook of Practical Physiology. 3rdEdition.Universities.

Rajkumar Maiti