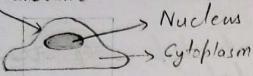
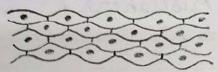
_	Date
Expt.	No Page No O 6
	Aim :>
	To study the different types of tissues with the help of modals.
	Référence:
	A book of "Human Anatomy and physiology". N.N. Yalayyaswamy, C.B. & Publishers, 4th Edition, Page no - 8 to 19.
	Requirement:
	Different types of models of body tissues.
	Theory:
	The tissues of the body consist of large
	numbers of cells, arranged in sheets, intercellular matrix is minimum and
	cells are situated on basement membrane, eg. skin, They are classified into four
	principal types according to their function
	and structure.
	1. Epithelial tissues
	2. Connective tissues 3. Muscle tissues
	4. Nervous tissue.
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Epithelial Tissue

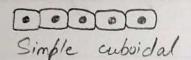
Cell membrane

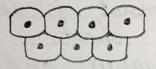


Simple squamous

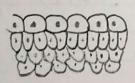


Stratified aguamous

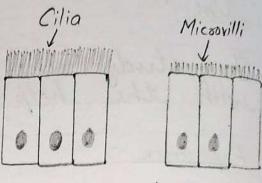




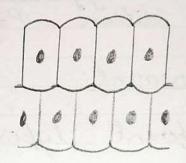
Stratified cuboidal



Transitional



Simple columnar



Stratified columnar



Prends stratified.

	Date	
Exp	Page N	To
	Epithelial Tissue	
•	Epithelial tissues are widespread the	roughout
	the body.	
•	They born the converience of all bal.	1426000
	line body cavities and hollow orga	ns and
	They form the covering of all body line body cavities and hollow organized the major tissue in glands.	
	include brotestion recretions	that
	They perform a variety of functions include protection, secretion, abso excretion, filtration, diffusion, and a reception.	ensory
	reception.	<i>F</i>
		2. 11
	The cells in epithelial tissue are to packed together with very little in	ferce flubr
	matrix.	TO TETTOM
•	Because the tissue are tightly for	n
	lovering and unings, ine cens no	t in
	Because the tissue are tightly for coverings and linings, the cells ha free structures surface that is no contact with other cells.	
•	This memberane is a mireture of	arbohydoal
	This memberane is a mireture of and proteins secreted by the epithelia and connective tissue cells.	U
	MIN MINNEY COMMISSION OF THE PARTY OF THE PA	
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	The state of the s	

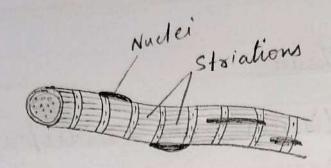


Fig: + (a) Stoiated muscles.

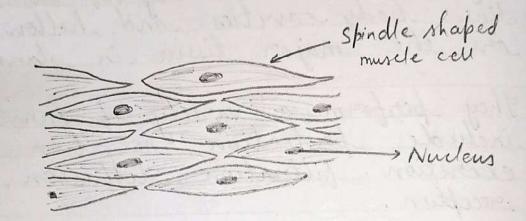


Fig: (b) Smooth muscle

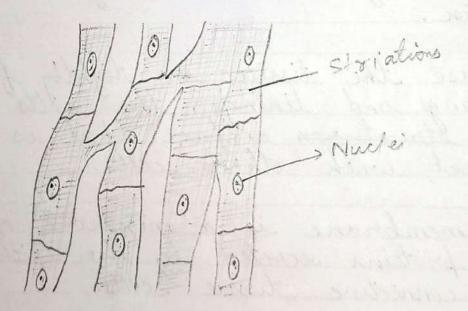


Fig:(c) Cardiac muscle:

	Date
Exp	Page No
•	Epithelial cells may be squamous, cuboidal, or columnar in shape and may be averaged in single or multiple layers.
	or columnar in shape and may be averaged
	in single or multiple layers.
_	
X	Muscle tissue: is a specialized tissue found in animals which functions by contracting, thereby applying forces to different parts of the body.
	in animals which functions by contracting,
	thereby applying forces to different parts
	of the body.
	M 1:
	Function of Muscle Tissue:
	rousel tissue functions as a single unit.
	Muscle tissue functions as a single unit, and is often connected to the same nerve bundles.
	muranes.
	A nance impulse to analling to the l.
	or another outside vival tall the
	A nerve impulse travelling from the brain or another outside signal tells the muscle to contract
4	
	At the rellular level, each muscle cell has a complex of proteins containing actin and myosin.
	a complex of proteins containing actin and
	myosin.
	Muscle tissue can be used to more bones,
	Muscle tissue can be used to move bones, compress chambers, or squeeze various organs.
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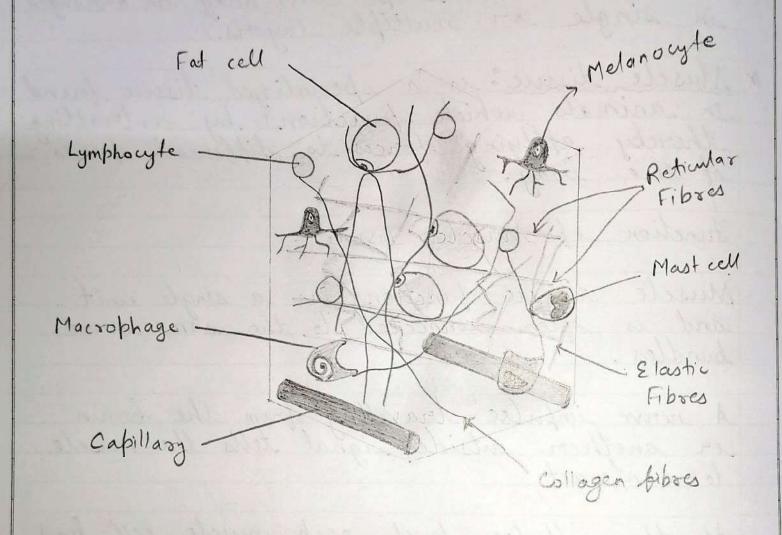


Fig : , Connective Time

	Date
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_	<i>c</i> 1: ~
-	Connective Tissue:
	Pompostike 1:
	connected ussue, as the name implies.
	support and connected dipperent times
	Connective tissue, as the name implies. support and connected different tissues.
	The elasticity, flexibility and strength of the connective tissues are due to fibres.
The same of the sa	The elasticity flexibility and strength of the
	connective tissues are due to bibace
	The bunction and of 1
	The function and types of connective tissues depend on the nature of the intercellular substance present.
	depend on the nature of the intercellular
0.31	substance bresent.
	Connective tissues contain three types of
	Connective tissues contain three types of bibres: collagen, elastic and oreticular.
	Collagen fibres are the most widespread and made up of fibrous protein, collagen. Collagen fibres are flenible and have high tensile strength (comparable to steel).
	collagen proves are the most widespread and
	made up of fibrous protein collagen.
	Collagen Librer are flemible and have
	bight towards the Contract of the
	night sense strength (comparable to steel).
	Elastic fibres form a network and can be
	stretched like a set rubber band. They are made up of protein elastin. They retain their original shape and size once the force is removed.
	to the things of the things of the
	we made up of protein elastin. They
	retain their original shape and size once
	the borce is removed.
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Dendoites Nucleus Schwann's cells Myelin sheath

***			D	ate
Expt. No.	2	to the second		Page No. 10
P	ticulate librar	/	1 11	
9	lycoproteins.	they are	of collages	and boom a
_ d	elicate netwo	ork. They	join conn	ective lisme
t	ticulate fibres lycoproteins. of elicate netwo neighbouring	tissues	•	
Fi	broblasts ar nd play an ealing. They tween collage, d other sub	e found.	in developi	ng tissues
-a	nd play an	importan	t part in	wound -
be	tween collage	n hibrer	. They sex	net toobocollad
ar	d other sub	stances for	and in H	he matrin.
M	acrophages a	re also s	inown as	scavenger
t	sues dean	ander th	cia and o	nnective
b	acrophages as ells. They we issues, clear actoria and	other a	ntigens by	phagocytosis
N	ervous Jissue	:		
	L'erwour time	is the	term boo	agranda al
100	'ervous tissue rganized cells	in the r	errous sy	tem, which
is	the organ	system the	at control	s the body!
h	overnents, screenents, screenents,	berent kan	to she the	gnals to ano
h	as a role in	controlli	ng bodily	function
N	uch as digesti	on.		
N	errous tissue	is grouped	into two m	an extension.
ne	arons and new	rolglia.	, , , ,	congo sico ;
			Teacher's Signature	

	Date
ot. No2	Page No
Function of Nervous J	issue:
Nervous tissue makes u	of the nervous system.
The central nervous system of the berain and spina information from all a sends increased impulses the	I cord, which coordinates
The pheripheral nervous	
of peripheral news to throughout the body. I to the rest of the body specific parts of the	hat branch all
specific parts of the	body.
Conclusion:	
The study of different the help of models u	types of tissues with as done successfully.

Teacher's Signature _