MALE	FEM	IALE 🗆				Age			
How did you	gain a	ccess to t	he Unive	ersity?:					
☐University Entrance Exam - Calification									
□Other ways - Please specify which									
	<i>.</i>		<u> </u>						
HISTOLOGICAL THRESHOLD CONCEPTS QUESTIONNAIRE (HTCq)									
Threshold concepts are defined as those concepts or knowledge that, for a given discipline, present the following features: 1. They should be transformative , i.e. once understood, the student's perception and understanding of the discipline should change radically. 2. They should be irreversible , i.e. once well understood, students are unlikely to forget them. 3. They should be integrative , i.e. once well understood, they should connect and build bridges within and across disciplines. 4. They should be generally troublesome for students to understand.									
5. They should be generally bounded for a discipline.									
Please rate from 1 to 5 your level of agreement or disagreement that each of the following concepts can be considered a threshold concept for the learning of histology: A- MORPHOSTRUCTURAL BASIC CONCEPTS									
The concept of morphology (Macroscopic and microscopic spatial configuration of a living organism or inert material and of the different units of which it is composed)									
Total	1	2	3	4	5	Total			
disagreement						agreement			
The concept of structure (A set of elements and the relationships that link them together without it being possible to characterize or define the elements independently of their relationships) Total 1 2 3 4 5 Total									
disagreement						agreement			
o .						S .			
The concept of	micros	copic stru	ıcture						
(Structure made	up of i		oic eleme	nts and t	he relatio	onships among them)			
Total	1	2	3	4	5	Total			
disagreement						agreement			
The concept of (Correlation bet) Total disagreement					-	racteristics of a microscopic entity and its functional activity) Total agreement			
B- TISSUE ORG	iANIZA	ATION CO	ONCEPT	S					
B- TISSUE ORGANIZATION CONCEPTS The concept of cell									
(Structural and f			_	-					
Total	1	2	3	4	5	Total			
disagreement						agreement			
The concept of cell population (A group of cells of the same lineage or functional activity)									
Total disagreement	1 □	2 □	3	4 □	5	Total agreement			
also breeinent						a _B , coment			
The concept of tissue or associated cell population (Supracellular level of organization formed by cells associated by juxtaposition or intercellular substances with a specific functional activity) Total									
Total	1	2	3	4 □	5 □	Total			
disagreement						agreement			

The concept of	_	-	-					
(Supracellular le	vel of a	organizat	ion made	up of dis	spersed c	rells with a specific functional activity)		
Total	1	2	3	4	5	Total		
disagreement						agreement		
The concept of								
						cellular space between the cells that form a tissue)		
Total	1	2	3	4	5	Total		
disagreement						agreement		
The concept of								
						tissues, with the capacity to self-renew and regenerate to form		
differentiated ce	ells of a	ne or mo	re lineag	es, makir	ng tissue	renewal possible)		
Total	1	2	3	4	5	Total		
disagreement						agreement		
C- HIERARCHICAL BODY ORGANIZATION CONCEPTS								
The concept of								
	ionship	s organiz	zed in a h	ierarchic	al way fro	om the simplest to the most complex)		
Total	1	2	3	4	5	Total		
disagreement						agreement		
The concept of	system	1						
(An organized se	et of ele	ements re	elated by	nature, s	tructure,	purpose, etc.)		
Total	1	2	3	4	5	Total		
disagreement						agreement		
The concept of (Anatomical uniconverge to carri Total	it of th	e body, v a function 2			5	nd position, formed by the association of two or more tissues that		
disagreement						agreement		
The concept of (The set of organ	ns that	contribu	te to a ce			the organism)		
Total						Total		
disagreement						agreement		
The concept of (Structural and apparatus that a Total	functio	nal unit (of the hu		y consist 5	ting of an apparatus of the organism and the components of other Total		
disagreement						agreement		
D- ORGAN HISTOFUNCTIONAL ORGANIZATION CONCEPTS								
The concept of								
(Specific tissue of			2	4	r	Total		
Total disagreement	1 □	2 □	3 □	4 □	5	Total agreement		
The concept of								
(Supporting tiss	ue of a	n organ)						
Total	1	2	3	4	5	Total		
disagreement						agreement		

E- HISTOGENESIS AND DEVELOPMENT CONCEPTS

The concept of	_		-			
(Tissues original	te from	the prog	ressive d	ifferentia	tion of th	ne three layers of blastoderm in the embryo)
Total	1	2	3	4	5	Total
disagreement						agreement
The ontogeneti	c conce	pt of mi	croscopic	structur	es	
(Evolution of the	e micro	scopic sti	ructure fr	om the fe	ertilized e	gg to its adult form)
Total	1	2	3	4	5	Total
disagreement						agreement
The phylogenic	or phy	logenetic	concept	of micro	scopic st	ructures
						lution of species)
Total	1	2	3	4		Total
	_	_			5	
disagreement		Ш				agreement
F- TISSUE FUN	CTION	AL STAT	ES CON	<u>CEPTS</u>		
The concept of	the eur	olasic sta	te in mic	roscopic	structure	25
(Orthotypic stat						-
Total	1	2	3	4	5	Total
	_					
disagreement	Ш					agreement
The concept of						
						l, regeneration and repair aimed at recovery of the healthy status)
Total	1	2	3	4	5	Total
disagreement						agreement
The concept of						
(State of decrea	ısed gei	neral acti	ivity: dege	eneration	and age	ing phenomena leading to loss of the healthy status)
Total	1	2	3	4	5	Total
disagreement						agreement
The concept of	the inju	ury state	in micros	scopic str	uctures	
(State of alterat	tion of r	nicrosco	oic structi	ures relat	ed to los	s of the healthy status)
Total	1	2	3	4	5	Total
disagreement						agreement
G- TISSUE ENG	SINEER	ING CO	NCEPTS			
The concept of	nativo	ticcuo				
The concept of (Tissue existing			agnicm)			
· -			-		_	
Total	1	2	3	4	5	Total
disagreement						agreement
The concept of						
(Tissue engineer	red for	therapeu	tic applic	ation)		
Total	1	2	3	4	5	Total
disagreement						agreement
The concept of	cell, tis	sue and	organ cul	ture		
(Laboratory cult			_		for <mark>cyto</mark>	<mark>logical</mark> and histofunctional studies or for the generation of artificial
tissues)					_	
Total	1	2	3	4	5	Total
disagreement						agreement

H- MICROSCOPIC MAGNIFICATION CONCEPTS

The concept of n (Magnifying pow appear closer or	er of a l					ressing the number of times the optical system makes an object			
Total	1	2	3	4	5	Total			
disagreement						agreement			
(The resolving po	wer is th	he ability	of any o	otical sys	tem to pe	fferent magnifying instruments rceive detail) ist between two points before they can be perceived as separate			
entities)									
Total	1	2	3	4	5	Total			
disagreement						agreement			
The concept of n	nicrosco	pic units	of meas	urement					
(System of measi	urement	s used fo	r microso	opic qua	ntities)				
Total	1	2	3	4	5	Total			
disagreement						agreement			
I- MICROSCOPIC EXAMINATION ANALYSIS CONCEPTS									
The concept of h	_		-						
						n and make dead tissue visible with magnifying instruments)			
Total	1	2	3	4	5	Total			
disagreement						agreement			
The concept of s						nensional or three-dimensional space)			
Total	1	2	3	4	5	Total			
disagreement						agreement			
uisagi eenient		Ш				agreement			
The concept of equivalent image (Histological image that always reproduces the structure that exists in nature)									
Total	1	2	3	4	5	Total			
disagreement			<u></u>						
uisagreement	Ш	Ш			Ц	agreement			
The concept of artefact (Histological image that does not reproduce the structure existing in nature due to the effect of processing: artefacts due to fixation, staining, etc.)									
Total	1	2	3	4	5	Total			
disagreement						agreement			
	image	is the po	ortrait of	a set of	biologica	I processes whose characteristics can be identified by different autoradiographic, etc.). Total			
disagreement						agreement			
I IIISTOLOGICA			ONI A DIC	INC EDO	NA TIMO	DIMENSIONAL ORSEDVATION CONSERTS			
J- HISTOLOGICA	AL INFO	KIVIATI	JN AKIS	ING FRO	IVI I WU-	DIMENSIONAL OBSERVATION CONCEPTS			
The concept of s	ection o	rientatio	n in rela	tion to m	icroscopi	c <mark>structures</mark>			
(Ability to relate	microsco	opic struc	cture to t	he directi	on of sect	tioning: transverse, oblique, or longitudinal)			
Total	1	2	3	4	5	Total			
disagreement						agreement			
The concept of t	opogran	hic local	ization o	f microso	opic stru	ctures			
						structure: apical, basal, proximal, distal, etc.)			
Total						Total			
disagreement	1	2 □	3	4 □	5	agreement			