

4 year's

THE SUPERIOR COLLEGE, LAHORE

First Professional MBBS (Part-2) Annual Examination 2013

T-8

(PHYSIOLOGY)

SUBJECTIVE (SECS)

Total Marks 45

Total Time 2 Hrs & 10 Mins

DATED: 25-08-2015

INSTRUCTION

1-All subjective part is to be submitted within 130 minutes, no extra time will be given.

Z-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

1.	. Draw and label the structure of a nephron. Outline the functions of various parts of the restubule.	nal (2, 3)
2.	A) Enumerate the stages of swallowing and explain the pharyngeal stage of swallowing. B) Define Dysphagia. Enlist the causes.	(3) (2)
Ξ.	A) Name dorsal column-tracts & list the acusations carried by the B) Give properties of sensory receptors.	(2.5) (2.5)
华.	A) Enlist the functions of Basal Ganglia. B) Explain the features of Parkinson's disease.	(2) (3)
5.	A) Give the functional division of cerebellum. B) A 55 year old lady came into outdoor with feeling of one sided weakness of body and history of frequent falls during walking. On examination she was walking on broad base	(2)
	A. Which part of central nervous system is diseased in this case B. Write all other disturbances which may be present in this patient.	(1) (2)
	A) What is limbic system? Give its parts. B) List the functions of hypothalamus.	(2) (3)
7. 3	A) Enumerate the hormones involved in blood sugar level regulation. B) Discuss the role of insulin in carbohydrates and protein metabolisms.	(2) (3)
8. <i>1</i>	A) Describe the mechanism of ovulation and role of hormones in an adult female. B) Draw & mention briefly the phases of female ovarian cycle.	(5) (2)
9. <i>I</i>	A) Discuss briefly the accommodation reflex & its nervous pathway. B) Briefly list & describe the error of refraction. 189	(3) (2)



(ST PROFESSION AT MBBS PART - ID

ARNUAL EXAMINATION 2014

PHYSIOLOGY



Instructions



Total Marks: 45

Time Allowed: 2 hours &10 Minutes

Do not write your name or disclose your identity in anyway.

The SEQ's part is to be submitted within 2 hours & 10 Minutes, Extra time will not be given.

Neat Hand Writing use of margin and marker for headlines will increase the presentation of your paper

Roll No. ----

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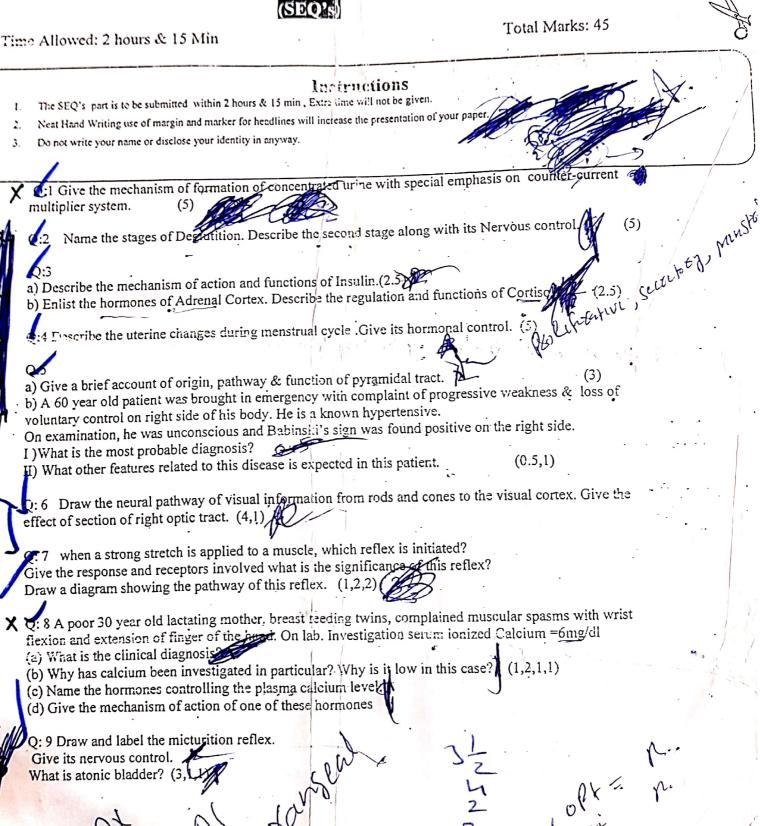
	ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MARKS	
しか	A) Enumerate the basal ganglia. Name their important circuits. List their functions. B) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary movements.	(3)
	of hands at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. i. Give your diagnosis. ii. Explain pathophysiology of disease.	(0.5) (1)
`. =	iii. How you will treat such patient?	(0.5)
بدسا	A) Name dorsal column tracts & list the sensations carried by these.	(25)
	B) Draw a nervous pathway from a peripheral receptor in Dorsal column medial leminescus system till somtosensory cortex.	(2.:5)
1.3.	A) What is limbic system? List its parts.	(2)
. /	B) List the functions of hypothalamus with corresponding area or nuclic.	(3)
V i.	A) Explain the structure of mescle spindle with diagram with special emphasis on its innervations. Give its important functions. B) Draw a stretch reflex.	(4) (÷)
A .	A) Give the mechanism of formation of concentrated urine with special emphasis on counter-current	
	multiplier system. B) Give a summary of function of kidney.	(3) (2)
1.	A) Enumerate the stages of swallowing and explain the pharyugeal stage of swallowing. B) Define Dysphagia. Enlist the causes.	(3) (2)
Ki.	A) Describe briefly the phases of female ovarian cycle.	(2)
	B) Discuss functions of placenta with special emphasis on respiratory & endocrine functions.	(3)
8.	A) A 44-year-old woman, known diabetic presented with backache & a six month history of swellings on bony areas of the body, tightening of rings, many recent headache & decreased vision. She complain of pain in joints.	18
	i. Give the diagnosis.	(1)
	ii. Impact of the responsible hormone on the metabolisms of carbohydrates & proteins.ii) Compare the dwarfism due to hypopituitarism with that due to cretinism.	(2) (2)
9.	A) Define accommodation reflex. Give in detail the reactions for near response. Also describe the relivoust pathway for acrosso delicon reflex (3)	
}	retroust pathway for accomodation reflex (3) 2) Draw offactory pathway: (2).	



1" PROFESSIONAL MBES (Part-II)

ANNUAL EXAMINATION 2015

PHYSIOLOGY



1st PROFESSIONAL MBBS Part II

ANNUAL EXAMINATION 2016

Physiology

(SEQS)



Roll No.

Total Morla: 45

Instructions

The SEQs part is to be submitted within 2 hours and 10 minutes, extra time will not be given.

Neat hand writing, use of margin and marker for headlines will increase the presentation of your paper.

3. Do not write your name or disclose your identity in anyway.

Time Allowed: 2 hours and 10 minutes

().1 T Describe pain suppression (analgesia) system in brain & spinal cord. () Name types of intracranial headache	(2) (1.5) (1.5)
Q.2- at Define synapse and give physiological types of synapse. Sinumerate the properties of synaptic transmission.	(1±1) (3)
Q.3- Write down the steps for the synthesis of Thyroid hormone. patient came to doctor and told that from the last few days he is feeling nervousn sleep is reduced. He has palpitation, and intolerance to heat, has sweating on hands and institut his appetite is increased, his body weight is reducing. On examination there was procyclable, heart rate was increased and B.P. was raised (Hypertension). In your opinion what is most probable diagnosis of this condition?	pite of fact otrusion of (1.5)
ii) What is pathophysiology of this disease?	(1.5)
Q.4- Extractions of Limbic system. Write down the functions of Hypothalamus.	(2.5) (2.5)
Q.5- i) Draw and explain "Micturition Reilex". b) Describe the atonic bladder.	(3.5) (1.5)
O.6- if Give the functions of Human Chorienic gonadotropin hormone. Sano, a 28 years old, came to gynae outdoor, she told that she was married "3" year still had no child. She told that she had normal menstrual cycle of 28 days. On urine examinate week before menstruation = No Pregnanediol level in the blood. Body temperature emaintained, it showed that = No rise in body temperature during menstrual cycle. In your opinion what is the most probable cause of infertility in this female? What is the pathophysiology of this cause?	nation one chart was (1)
What are other causes of infertility?	(0.5)
().7- What changes occur in the eye, when focused on near object? Explain the nervous mechanism involved.	(1.5) (3.5)
() 8- a, Write down the functional division of cerebellum. b) Give the mechanism of signal Turn ON/ Turn OFF with special emphasis on the Purkinji cells.	(2)
().9- () Give detailed account of site of secretion, mechanism of action and metabolic fun	
b) Give pathophysiology and symptoms/ signs of Cushing's Syndrome.	(3.5) (1.5)



1" PROFESSIONAL MBBS (Part-II) ANNUAL EXAMINATION 2017 PHYSIOLOGY

(SEQ's)

Roll No. 29

Time Allowed: 2 hours

Total Marks: 45

Instructions

- 1. Attempt all questions.
- 2. All question carry equal marks.
- 3. The SEQ's part is to be submitted within 2 hours, Extra time will not be given.
- 4. Neat Hand Writing use of margin and marker for headlines will increase the presentation of your paper.
- 5. Do not write your name or disclose your identity in anyway.

Q-No: 1		
a) Define Synapse. Give an account of properties of synapse.	. 3	. 9
b) Enlist the ascending tracts and corresponding sensations carried by thes	e. 2	
Q-No: 2.		
a) Draw Pyramidal tract & Enumerate its functions.	3	
b) Outline the important speech areas and their functions.	2	
Q-No: 3		
a) Define & classify the Memory, give the mechanism of development o	f long term	
memory.	(3.5)/	2.5
b) Differentiate between anterograde & retrograde amnesia.	(1.5)	1.3
Q-No: 4		
Name the Basal Ganglia. Draw Putamen circuit.	2	E
b) A 50-year-old patient came to an outdoor of a hospital with a co	mplaint of	
involuntary movements of hands at rest & feeling of stiffness in legs. H	e also feels	
difficulty in starting a movement. His face is mask like with no	change of	
expression.		
I. Give your diagnosis.	1 🧀	
II. Explain pathophysiology of disease.	1	
III. What other symptoms and signs the patient will show.	1	



THE SUPERIOR COLLEGE, LAHORE 2ND PROFESSIONAL MBBS

ANNUAL EXAMINATION 2018 PHYSIOLOGY

(SEQ's)

Instructions

3. The SEQ's part is to be submitted within 2 hours, Extra time will not be given.

Time Allowed: 2 hours

1. Attempt all questions.

2. All question carry equal marks.

Roll No. Total Marks: 45

4. Neat Hand Writing use of margin and marker for headlines will increase the presentation of you paper.	r
5. Do not write your name or disclose your identity in anyway.	
What are different types of sleep? Give EEG pattern in different stages of sleep? B) Enumerate different disorders associated with sleep.	(3) (2)
Q2-A) Trace the pathway of Light reflex B) What is Argyll- Robertson pupil?	(2.5) (2.5)
Q3. A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary movement at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. His face is mask I change of expression.	its of hands ike with no
Give your diagnosis	(1)
Explain pathophysiology and treatment options of this disease	(2)
What other signs and symptoms the patient will show?	(2)
Classify the sensory receptors. BE Enumerate the properties of receptors & describe mechanism of adaptation and its	(2)
Importance.	(3)
Name all the Ascending tracts & corresponding functions of each tract.	(2)
Describe dual pain pathway along with the pain receptor and nerve fiber involved.	(3)
26. Explain micturition reflex	(3)
What is Atonic bladder	(2)
Enumerate various factors affecting secretion of Growth Hormone.	(3)
How will you differentiate between pituitary diabetes and adrenal diabetes?	(2)
Enlist the hormones which stimulate the spermatogenesis.	(2)
B) What is Capacitation? Give its significance	(3)
Discuss the mechanism of heat gain when a person is exposed to cold.	(2.5)
What is Stress response? How does it increases the ability of the body to perform vigorous muscular activity?	(2.5)