Term Test MIBBS Second Year 2016-17 (Physiology-Subjective)



INSTRUCTIONS

1-All subjective part is to be submitted <u>within 130 minutes</u>, no extra time will be given.
2-Neat handwriting, use of margins will increase the outlook/presentation of your paper.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

DATED: 20-4-2017 TOTAL MARKS = 45TIME = 2 hours 10 min

	(2.5)
Q1A) Define receptor. Give classification of receptors. Enumerate the properties of receptors; describe mechanism of adaptation and the last importance.	(2.5)
	(2)
Q2 Draw Dorsal calumn medial lemniseus system. Ompare & contrast dorsal column medial system with that of anterolateral system.	ms: (3) 10 cm (3)
	(3)
(18 A) Draw & label the Dual pain pathway.give causes of visceral pain. D) Describe the mechanism of analgeda system in brain.	(2)
	(2)
Q4. A) Draw Sensory Homunculus. B) Give features & functions of somatosensory area I	(3)
Q5. A) Define GFR. Calculate the Net filteration pressure. 2) List all the determinents of GFR & their impact on GFR.	(3)
Q6. A) Enumerate the buffer system of the body B) Discuss different mechanisms by which H+ ions are buffered in renal tubules of kidney.	(2) (3)
Q7. A) Name hormones produced by different layers of adrenal cortex. B) A lady presents to the outdoor with complaints of unexplained obesity, severe new weakness and bruises on the body. On examination, she is found to have a moon far appearance, unequal fat distribution and stria. She is also found to be suffering from the product of the suffering from the suffering fr	(3) nuscular ce om
hyperglycemia.	(1)
hyperglycemia. i. Diagnose the disease. ii. What is the underlying pathology?	(1)
	(2.5)
(19.A) Write down the steps for synthesis of Thyroid hormone. B) 35 years female patient came to doctor & told she is having feeling of Palpitation and loosing weight inspite of having good appetite. Her eyes were present intolerance and loosing weight inspite of having good appetite.	on & nervousnes
i) What is most probable diagnosis? ii) Give pathophysiology of disease?	(1) (1.5)
err mantagana hafara hirth & after nuherty.	(2.5)
Q9. A) Enumerate the functions of Testosterone before birth & after puberty. B) Give a brief account of ovarian cycle & LH surge	(2.5

NAHEED MEDICAL COLLEGE LAHORE

Send -up Examination Part 2 MBBS 2015-16 (Physiology-Subjective)



E

INSTRUCTIONS

1-All subjective part is to be submitted within 130 minutes, no extra time will be given. 2-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL	MARKS.	
TOTAL MARKS = 50 TIME = 2 hours 10 min	DATED: 23-9-2016	KS.
21. A) Name dorsal column tracts, list the sensations carried by these. B) Draw dorsal column-medial lemniscal system pathway till the primary sen	(2.5) nsory cortex (2.5)	
Q2. A) A 50-year-old patient came to an outdoor of a hospital with a complaint of rands at rest & feeling of stiffness in legs. He also feels difficulty in starting a mowith no change of expression. i. Give your diagnosis ii. Explain pathophysiology of disease iii. What other symptoms and signs the patient will show B) List the physiological divisions of cerebellum and their functions	f involuntary movement vement. His face is made is made is made is made in the second	ask like
Q3. A) Classify the sensory receptors	Vast	λ
B) Briefly mention the properties of receptors. >	MU-810	(3)
Q4. A) Write down the Functions of Hypothalamus.		(2)
B) Define Speech. Give the important speech areas and mechanism of speech	ch. /	(3)
Q5. A) Define GFR. · B) List the DETERMINANTS of GFR and outline their impact on GFR.		(1) (4)
Q6. A) Define accommodation reflex. Give in detail the reactions for near responsible pathway.B) Give an account of functions of middle ear with special emphasis on in		(3) (2)
Q7. A) Explain the functions of insulin related to carbohydrate metabolism. B) A lady presents to the outdoor with complaints of unexplained obesit and bruises on the body. On examination, she is found to have a moon fa distribution and stria. She is also found to be suffering from hyperglycentic. Diagnose the disease. ii. What is the underlying pathology?	ace app carance, unc	(3) veakness qual fat (1) (1)
Q8. A) What are requirements for concentrated urine formation? B) Describe steps involved in Counter current multiplier mechanism.	3212	(1.5) (3.5)
Q9. A) Give the hypothalamic-pituitary-testicular axis in adult male stressing	ng upo n the horm on	es es
(19. A) Give the hypothalamic-pituitaly-testicular axis in acute mare serossing involved. B) Draw & label the phases of uterine cycle.	E T T	(2) (3)
15.1 171 2 TY 100 100 00 100 100 100 100 100 100 100		

Q10.A) Discuss in detail the mechanism of heat loss when a person is exposed to hot environment.

B) Discuss the role of hypothalamus in regulation of body temperature

(2)

(3)

ERA NAMEED MEDICAL COLLEGE LANGER

Department of Physiology

 $2^{\mathrm{mf}}\,\mathrm{YEAR}\,\,\mathrm{MBBS}\,\,2011\text{-}16$

SENT-UP EXAMINATION



INSTRUCTIONS

2. Ad subjective part is to be submitted within 2 bours 10 minutes, no extra time will be given 2. Neat handwriting, use of margins will precede the outlook /presentation of your paper

SUBJECTIVE PART (SEQs)

TOTAL MARKS, 50

(/(On())

DATED: 05-07-13

ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MARKS.	
B) Explain microrision reflex briefly.	3) 2)
counter-courrent multiplier system.	5) (3)
(33) List the events decurring in party about phase.	(2) (3)
B. Give properties of sensory receptors Morrise Ly Salling	(2) (2)
B)-Give the causes of visceral pain & explain the mechanism of referred pain.	(3) (3)
(26. A) Give a brice account of origin, pathway & function of pyramidal tract. (B) A 60 year old patient was brought in emergency with complaint of progressive 14/2 is a known weakness & loss of voluntary control on right side of his body. He is a known hypertepsive. On examination, he is unconscious and Dabinski's sign was found to be	
 What is the most probable diagnosis? What other features related to this disease is expected in this patient. 	(1) (1) (2)
(07. A) Enlist the functions of Basal Ganglia. B) Explain the features of Parkinson's disease. (08. A) Name the Hormone's of the overy. estrogen, Profestione & Jestosle tone. B) Draw & label phases of menstrual cycle.	
(98. A) Name the Hormones of the avary. B) Draw & label phases of menstrual cycle.	(3)
(10. A) What is <u>limbic system?</u> (Give its parts. (20. A) What is <u>limbic system?</u> (Give its parts. (20. A) What is <u>limbic system?</u> (Give its parts. (21. A) What is <u>limbic system?</u> (Give its parts. (21. A) Draw the functions of <u>hypothalamus</u> . (Consol sym) & thirds! Contest Stocky contest. (21. A) Draw the visual <u>pathway till visual cortex</u> . Synthesize Aph Nasologisis know by the Old Synthesize of there is lesion in right aptic B) Give visual disorders, from which the person will suffer. if there is lesion in right aptic parts on the chiasma, right optic tract, right side I optic radiations.	(1,)
B) Give visual disorders, from which the person will suffer, if there is lesion in right of the person will suffer, if there is lesion in right of the person will suffer adiations. nerve, optic chiasma, right optic tract, right side l'optic radiations.	(2)
nerve, optic chiasma, right optic tract, right side l'optic l'attantants.	

A NAHEED MEDICAL COLLEGE LAHORE

2ND YEAR MBBS 2013-14 (Physiology)



SEND-UP EXAMINATION

DATED: 08-08-14

INSTRUCTIONS

1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given.

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

SUBJECTIVE PART (SEQs)

TOTAL MARKS: 50

TIME: 2 HOURS 10 MINUTES

ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MARKS. DRAW THE NECESSARY DIAGRAMS WHERE REQUIRED.

	DRAW THE NECESSARY DIAGRAMS WHERE RECORDS.	
1.	A) What is countercurrent multiplier system in kidney? Explain its mechanism and function in detail. B) Describe miseturition reflex and its pathway.	(3.5) (1.5)
).	Define GFR. List the determinants of GFR and outline their mechanism of regulation of GFR.	(1+2+2)
<i>S</i> :	 A) List all the ascending tracts. B) List the sensations carried by dorsal column medial lemniscus system. C) Draw a sensory homunculus and give its properties. 	(1) (1.5) (1.5)
4 .	A) Explain with the help of diagram the functional division of cerebellum and corresponding function of each part. B) A 55-year-old lady came in emergency with sudden onset of right-sided weakness of body & loss of the content of	(3)
 	voluntary movements. She is a known hypertensive. On examination, she is unconscious and Babinst was found to be positive on right side.	a's Sign
	i. What is the most probable diagnosis? ii. What other features related to this disease do you expect in this patient?	(1) (1)
5.	A) Define Speech. Give the important speech areas and mechanism of speech. E) List the functions of hypothalamus.	(3) (2)
£.	A) Name the nervous plexus of GIT & their corresponding functions. B) Describe the sequence of events occurring in pharyngeal phase of swallowing reflex.	(3) (2)
7.	A) Give in a tabulated form, the effect of parasympanical active of the distance of the distan	(3)
8.	A) Give the hypothalamic-pituitary-testicular axis in adult male with emphasis on the hormones in B) List the hormones produced by placenta & outline the function of each hormone.	(3) (3)
9.	A) Enumerate the hormones included in blood sugar level regulation. B) Discuss the role of insulin in carbohydrate and protein metabolisms.	(2) (3)
10.	A) Define Accomodation reflex. Give in detail the reactions for near response. Draw the pathway this reflex. B) Draw and label the auditory pathway till auditory cortex.	(3) (2)



First Professional MBBS (Part-2) Annual Examination 2013

(PHYSIOLOGY)

Total Marks 45

otal Time 2 Hrs & 10 Mins

DATED: 26-08-2013

INSTRUCTIONS

1-7-If subjective part is to be submitted within 130 minutes, no extra time will be given.
2-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

ATTEMIET ALL QUESTIONS; ALL QUESTIONS CARES, EQUING THE	
1: Draw and label the structure of a nephron. Outline the functions of various parts of the ventubule.	(2, 3) 1 ji
2. A) Enumerate the stages of swallowing and explain the pharyngeal stage of swallowing. B) Define Dysphagia: Enlist the causes.	$\begin{array}{ccc} (3) & 1 \\ \hline \end{array}$
A) Name & von! color is tracts of the sensations carried by these. B) Give properties of sensory receptors.	(2.5) Oziš (2.5) _D
4. A) Enlist the functions of Basal Ganglia.	(2) r (3) 2.
B) Explain the features of Parkinson's disease. 5. A) Give the functional division of cerebellum.	(2)
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 and there was tendency to fell when she was asked to walk with closed eyes. A. Which part of central nervous system is diseased in this case? B. Write all other disturbances which may be present in this patient.	$\left\{\begin{array}{c} (1) \\ (2) \end{array}\right\}$
(6. A) What is limbic system? Give its parts. (B) List the functions of hypothalamus.	$\frac{2}{2} \frac{(2)}{(2)} = \frac{2}{2} \frac{(2)}{(2)}$
7. A) Enumerate the hormones involved in blood sugar level regulation. 13) Discuss the role of insulin in carbohydrates and protein metabolisms.	$ \begin{array}{c} 2 \\ 3 \end{array} $ (3)
8. A) Describe the mechanism of ovulation and role of hormones in an adult januare. B) Draw & mention briefly the phases of female ovarian cycle.	$\begin{pmatrix} (3) \\ (2) \\ (3) \end{pmatrix} $
A) Discuss b riefly the accommodation reflex & its nervous pathway. B) Briefly list & describe the error of refraction.	((2))



Roll No. -----

THE SUPPRIOR COLLEGE, LABORE

 \mathbf{I}^{fit} PPODIANIONAL MBBS FARL HI

ANNUAL EXAMINATION 2014

PHYSIOLOGY (SEQ's)



9

VR.

Total Marks, 45

Time Allowed 2 hours &10 Minutes

Instructions	
1 The MEO's part is to be submitted, within 2 hours & 10 Minutes, Cates now will not be given	
 Near Hand Writing use of margin and marker for headlines will increase the presentation of your payer. 	J
3 Do not write your name or disclose your identity in anyway	
ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MARKS	(3)
1. A) Enumerate the basal ganglia. Name their important circuits. List their functions.	
of hands at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. i. Give your diagnosis.	(0.5)
ii. Explain pathophysiology of disease.	(1)
iii. How you will treat such patient?	(2.5)
B) Draw a nervous pathway from a peripheral receptor in Dorsal column medial leminescus system till somtosensory cortex.	(2.5)
5. A) What is limbic system? List its parts. B) List the functions of hypothalamus with corresponding area or nuclic.	(2) (3)
B) List the functions of hypothanamos with corresponding I. A) Explain the structure of invacle spindle with diagram with special emphasis on its innervations	(4)
Give its important functions.	(i)
b) Draw a stretch research of the period of the special emphasis on counter-curr	rent
5. A) Give the mechanism of formation of concentrated urine with special emphasis on counter-curi	(3) (2)
multiplier system. B) Give a summary of function of kidney.	(31
As Engage to the stages of swallowing and explain the pharyngen stage of swallowing	(2)
B) Define Dysphagia. Ennst the Causess	(2)
7. A) Describe briefly the phases of female ovarian cycle. B) Discuss functions of placenta with special emphasis on respiratory & endocrine functions.	(3)
 B) Discuss functions of placenta with specimen. A) A 44-year-old woman, known diabetic presented with backache & a six month history of swon bony areas of the body, tightening of rings, many recent headache & decreased vision. She con bony areas of the body, tightening of rings, many recent headache & decreased vision. She con bony areas of the body, tightening of rings, many recent headache & decreased vision. 	ellings omplains
on bony areas of the body, rights.	(1)
of pain in joints. i. Give the diagnosis. ii. Impact of the responsible hormone on the metabolisms of carbohydrates & protein. iii. Impact of the responsible hormone on the metabolisms of carbohydrates & protein. ii) Compare the dwarfism due to hypopituitarism with that due to cretinism.	s. (2) (2)
B) Compare the dwarfism due to hypophone A) Define accommodation reflex. Give in detail the reactions for near response. Also describe to relievoust pathway for accommodation reflex (3) relievoust pathway for accommodation reflex (3) b) Draw offactory pathway? (2).	the
b) Draw offactory pathway? (2).	

1st PROFESSIONAL MBBS Part II

ANNUAL EXAMINATION 2016 Physiology



Total Marks: 45

10

(SEQs)

Time Allowed: 2 hours and 10 minutes

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. Do not write your name or disclose your identity in anyway.	
().1- at Describe pain suppression (analgesia) system in brain & spinal cord. b) Name types of intracranial headache. c) Give causes of migraine headache. ().2- at Define synapse and give physiological types of synapse. b) Enumerate the properties of synaptic transmission.	(2) (1.5) (1.5) (1+1) (3) (2)
Q.3- at 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 nervousness sleep is reduced. He has palpitation, and intolerance to heat, has sweating on hands and inspite that his appetite is increased, his body weight is reducing. On examination there was protrecyclall, heart rate was increased and B.P. was raised (Hypertension). In your opinion What is most probable diagnosis of this condition?	and his e of fact usion of (1.5) (1.5)
().4- a) Enlist the components of Limbic system. b) Write down the functions of Hypothalamus. ().5- a) Draw and explain "Micturition Reflex". b) Describe the atonic bladder.	(2.5) (2.5) (3.5) (1.5)
O.6-a) Give the functions of Human Chorionic gonadotropin hormone. 13.6-a) Give the functions of Human Chorionic gonadotropin hormone. 14.6-a) Give the functions of Human Chorionic gonadotropin hormone. 15.6-a) Give the functions of Human Chorionic gonadotropin hormone. 16.6-a) Give the functions of Human Chorionic gonadotropin hormone. 16.6-a) Give the functions of Human Chorionic gonadotropin hormone. 17.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the functions of Human Chorionic gonadotropin hormone. 18.6-a) Give the function of State	(2.5) s back but nation one chart was (1) (1) (0.5)
Q.7- What changes occur in the eye, when focused on near object? Explain the nervous mechanism involved.	(1.5) (3.5)
().8- i) Write down the functional division of cerebendin. ().8- i) Write down the functional division of cerebendin. ().8- i) Write down the functional division of cerebendin. ().8- ii) Write down the functional division of cerebendin.	(2) the role of (3)
Purkinji cells. ().9- : Give detailed account of site of secretion, mechanism of action and metabolic cortisol. Give pathophysiology and symptoms/ signs of Cushing's Syndrome.	

2ND YEAR MBBS 2014-15 (Physiology)

GRAND TEST 2015

DATED: 23-07-15

INSTRUCTIONS

1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given.

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

SUBJECTIVE	PART (SEQs)	1	
TOTAL MARKS: 50	cedod hus	TIME: 2 HOURS 10 MINU	<u>JTES</u>
ATTEMPT ALL QUESTIONS; ALL Q DRAW THE NECESSARY DIA	QUESTIONS CARRY AGRAMS WHERE I	REQUIRED.	
A) What is countercurrent multiplier system in kidner B) Describe micturition reflex and its pathway.	y? Explain its mecha	nism and function in detail.	(3.5) (1.5)
1. Define GFR. List the determinants of GFR and outlin	e their mechanism of	I regulation of ox 22	(1+2+2)
B) List the sensations carried by dorsal column media (2) Draw a sensory homunculus and give its properties	Henniscus system	√	(1) (1.5) (1.5)
4. A) Explain with the help of diagram the functional di	vision of cerebellum	and the second s	(5)
B) A 55-year-old lady came in emergency with sudden	On examination, she	is unconscious and Davinsk	i's Sign
was found to be positive on right side. Novements. She is a known hypertensive of the state of	egnosis? Mad	L Hemillegia	(1) (1)
5. A) Define Speech, Give the important speech areas and B) List the functions of hypothalamus.	nd m <u>echanism of spo</u>		(3) (2)
A) Name the nervous plexus of GIT & their correspo	yngear phase or swa	llowing reflex.	(3) (2)
7. A) Give in a tabulated form, the effect of parasympa and urinary bladder. B) Compare the dwarfism due to hypopituitarism wi	thetic nerve stimula ith that due to eretin	tion in <u>heart, GIT, pupil of</u> ~ ~ ~ ~ nism.	(3)
8. A) Give the hypothalamic-pituitary-testicular axis in B) List the hormones produced by placenta & outlin A) Enumerate the hormones included in blood sugar B) Discuss the role of insulin in carbohydrate and pro-	adult male with em the function of eac r level regulation. – rotein metabolisms.	iphasis on the hormones in the hormones in the hormone. Insulin Juagen,	(3)
10. A) Define Accomodation reflex. Give in detail the re this reflex. B) Draw and label the auditory pathway till auditory	y cortex.	(9	\mathcal{L} (2)
UMNL => Babinsici sign += 1 Superficial abdom Wemasteric refle	presents for	R. absent	
Memasteric refle	* absent	is in a mount	

NAHEED MEDICAL COLLEGE LAHORE

2ND YEAR MBBS 2013-14 (Physiology)

SEND-UP EXAMINATION

DATED: 08-08-14

INSTRUCTIONS

1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given.

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

SUBJECTIVE PART (SEQs)

TOTAL MARKS: 50

this reflex.

B) Draw and label the auditory pathway till auditory cortex.

TIME: 2 HOURS 10 MINUTES

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS. DRAW THE NECESSARY DIAGRAMS WHERE REQUIRED.	
1. A) What is countercurrent multiplier system in kidney? Explain its mechanism and function in detail. B) Describe miscturition reflex and its pathway.	(3.5) (1.5)
2. Veline GFR. List the determinants of GFR and outline their mechanism of regulation of GFR.	(1+2+2)
A) List all the ascending tracts. B) List the sensations carried by dorsal column medial lemniscus system. C) Draw a sensory homunculus and give its properties.	(1) (1.5) (1.5)
4. A) Explain with the help of diagram the functional division of cerebellum and corresponding function of each part.	(3)
B) A 55-year-old lady came in emergency with sudden onset of right-sided weakness of body & loss of voluntary movements. She is a known hypertensive. On examination, she is unconscious and Babinski	's Sign
was found to be positive on right side. i. What is the most probable diagnosis? ii. What other features related to this disease do you expect in this patient?	(1) (1)
5. A) Define Speech. Give the important speech areas and mechanism of speech. B) List the functions of hypothalamus.	(3) (2)
 A) Name the nervous plexus of GIT & their corresponding functions. B) Describe the sequence of events occurring in pharyngeal phase of swallowing reflex. 	(3) (2)
7: A Give in a tabulated form, the effect of parasympathetic nerve stimulation in heart, GIT, pupil of e and urinary bladder. B) Compare the dwarfism due to hypopituitarism with that due to cretinism.	(3)
8. A Give the hypothalamic-pituitary-testicular axis in adult male with emphasis on the hormones invo B) List the hormones produced by placenta & outline the function of each hormone.	, ,
9. A) Enumerate the hormones included in blood sugar level regulation. B) Discuss the role of insulin in carbohydrate and protein metabolisms.	(2) (3)
10. A) Define Accomodation reflex. Give in detail the reactions for near response. Draw the pathway for	(3)

(2)

Ancrease 1-Glamesulas Department of Physiology 2-Blood pressure 2nd YEAR MBBS 2011-16 3. Increase SENT-UP EXAMINATION INSTRUCTIONS 1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given. 2-Neat handwriting, use of margins will increase the outlook /presentation of your paper lasma colloi SUBJECTIVE PART (SEQs) 2-9agess er DATED: 05-07-13 stexistes TOTAL MARKS: 50 constraiction ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS. capsule (3) pressure • (11.• A) Define GFR. Enlist factors regulating GFR. (2)B) Explain micturition reflex briefly ()2. Give the mechanism of formation of concentrated urine with special emphasis on (5)counter-current multiplier system. (3)(3. A) List the events occurring in pharyngeal phase. (2) · B) Enumerate the functions of stomach. 131 . 24. - A) Name dorsal column tracts & list the sensations carried by these. (2) ·B) Give properties of sensory receptors. (2)(Q5. · A) Draw & label the Dual pain pathway. · B) Give the causes of visceral pain & explain the mechanism of referred pain. (3) (3)·Q6. A) Give a brief account of origin, pathway & function of pyramidal tract. · B) A 60 year old patient was brought in emergency with complaint of progressive weakness & loss of voluntary control on right side of his body. He is a known hypertensive. On examination, he is unconscious and Babinski's sign was found to be (1) What is the most probable diagnosis? -) Herriples What other features related to this disease is expected in this patient. (1).Q7. · A) Enlist the functions of Basal Ganglia. Muscular movement control, voluntary, R) Explain the features of Parkinson's disease. (2) (3) (2)(3)

B) Explain the features of Parkinson's disease learning

(Q8. A) Name the Hormones of the ovary.

·B) Draw & label phases of menstrual cycle. - h (2)

/Q9. • A) What is limbic system? Give its parts. (3)(3)

·B) List the functions of hypothalamus.

·B) Give visual disorders, from which the person will suffer, if there is lesion in right optic Q10.-A) Draw the visual pathway till visual cortex.

nerve, optic chiasma, right optic tract, right sided optic radiations. (2)



1ST PROFESSIONAL MBBS (PART - II)

ANNUAL EXAMINATION 2014

(SEQ's)

Time Allowed: 2 hours &10 Minutes

Total Marks: 45

Roll No	
Instructions 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. Do not write your name or disclose your identity in anyway.	
ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS	(3)
B) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary movements 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. iii. How you will treat such patient?	(0.5) (1) (0.5)
A) Name dorsal column tracts & list the sensations carried by these. B) Draw a nervous pathway from a peripheral receptor in Dorsal column medial leminescus system	(2.5) (2.5)
A) What is limbic system? List its parts. B) List the functions of hypothalamus with corresponding area or nuclic.	(2) (3)
Give its important functions. B) Draw a stretch reflex.	(4) (1)
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) (3)
A) Enumerate the stages of swallowing and explain the pharyngcal stage of swallowing. B) Define Dysphagia. Enlist the causes. Describe briefly the phases of female ovarian cycle. Color briefly the phases of female ovarian cycle.	(2) (2)
known diabetic presented with backache & a six month history of swell	(3) ings iplains
on bony areas of the body, tightening of rings, and of pain in joints. i. Give the diagnosis. Action on the metabolisms of carbohydrates & proteins. ii. Impact of the responsible hormone on the metabolisms of carbohydrates & proteins.	(1) (2) (2)
B) Compare the divariance of the control of the second of	

RA NAHEED MEDICAL COLLEGE LAHORE

2ND YEAR MBBS 2014-15 (Physiology)

SEND-UP EXAMINATION

DATED: 13-08-15

INSTRUCTIONS

1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given.

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

SUBJECTIVE PART (SEQs)

TOTAL MARKS: 50

TIME: 2 HOURS 10 MINUTES

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUIPMENT	
DRAW THE NECESSARY DIAGRAMS WHERE REQUIRED.	(3)
Q1 A) What is countercurrent multiplier system, discuss its function in detail.	(2)
R) Pescribe micturition reflex and its nathway / I	(2)
2	(3)
22. A) Name the nervous plexuses of GIT and their corresponding functions. 2	(2)
B) Explain defecation reflex with the help of a diagram.	(2)
B) Explain defecation reflex with the help of a diagram. (2. A) Name the nervous plexuses of GIT and their corresponding functions. (2. A) Name the nervous plexuses of GIT and their corresponding functions. (3. A) Mention briefly the pathophysiology and important features of Graves' disease. (2. A) Name the nervous plexuses of GIT and their corresponding functions. (3. A) Mention briefly the pathophysiology and important features of Graves' disease. (3. A) Mention briefly the pathophysiology and important features of Graves' disease.	(3)
Mention briefly the pathophysiology and important features of Graves discussions.	(2)
B) Compare the dwarfism due to hypopituitarism with that due to cretinism.	(3)
Q4. A) Discuss functions of placenta with special emphasis on respiratory & endocrine functions. 2	-
(O4. A) Discuss functions of placenta with special emphasis on respiratory	(2)
D) David & label the phases of mensifual cycle.	(5.5)
B) Diaw & laber and promote the parties of the part	(2.5)
Q5. A) Define accommodation reflex .Give in detail the reactions for near response & its nervous pathway. I B) Give an account of functions of middle ear with special emphasis on impedance matching.	(2.5)
B) Give all account of functions	
fangach L	(3)
26. A) Define Speech. Give the important speech areas and mechanism of speech. L	(2)
26. A) Define Speech. Give the imposition of speech with examples.	
B) Discuss the disorders of speech with examples.	(2.5)
tracte & list the sensations carried by these.	(2.5)
P7. A) Name dorsal column tracts & list the sensory receptors. B) Mention briefly the properties of sensory receptors.	
	(3)
Conner motor neuron and lower motor neuron lesions.	(2)
B) Mention briefly the proposition and lower motor neuron lesions. L	
B) Draw a stretch reflex. 2 OP.A) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary movement. OP.A) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary movement. His face is mask	s of hands
Ador of a hospital with a complaint of involuntary movement	. like with
A 50 year-old patient came to an outdoor of a nospitality in starting a movement. His face is mass	K like with
A) A Joycus of Factor in legs He also reels difficulty in the state of	

at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. His face is mask like with SPAR INSOMS no change of expression. (0.5)(1)

o change of expression	
i. Give your diagnosis ii. Explain pathophysiology of disease iii. How you will treat such patient List the physiological divisions of cerebellum and their functions L	
Disc are L. A.	

B) List the physic (2) 10. A) Draw & label the Dual pain pathway. \(\square B) Give the causes of visceral pain & explain the mechanism of referred pain \(\sum_{\text{eq}} \) (3)



(0.5)(3)

Grand Test MBBS Second Year 2015-16 (Physiology-Subjective)



INSTRUCTIONS

1-All subjective part is to be submitted within 13() minutes, no extra time will be given.
2-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MARKS. DATED: 25-8-2016

TOTAL MARKS = 45 TIME = 2 hours 10 min

Q1. A) Name dorsal column tracts, list the sensations carried by these. B) Drawdorsal column-mediallemniscal system pathway till the primary sensory cortex.	(2.5) (2.5)
Q2. A) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary moved hands at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. His factorist with no change of expression.	rements ce is
i. Give your diagnosis ii. Explain pathophysiology of disease iii. What other symptoms and signs the patient will show B) List the physiological divisions of cerebellum and their functions 164F	(0.5) (1) (0.5) (3)
Q3. A) Draw & label the Dual pain pathway. B) Give the causes of visceral pain & explain the mechanism of referred pain	(2) (3)
Q4. A) Define Speech. Give the important speech areas and mechanism of speech. B) Discuss the disorders of speech with examples.	(3) (2)
Q5. A) Define GFR. B) List the DETERMINANTS of GFR and outline their impact on GFR.	(1) (4)
 Q6. A) Define accommodation reflex. Give in detail the reactions for near response ⁢'s nervous pathway. B) Give an account of functions of middle ear with special emphasis on impedance matching. 	(2.5)
B) A lady presents to the outdoor with complaints of unexplained obesity, severe muscular we bruises on the body. On examination, she is found to have a moon face appearance, unequestion and stria. She is also found to be suffering from hyperglycemia. i. Diagnose the disease. ii. What is the underlying pathology?	(3) yeakness and und fat (1) (1)
(A) Discuss the role of Hypothalamus in regulating body temperature. 1994 B) What is mechanism of sweating and the impact of acclimatization on it? 197+198 C) Discuss the effect of clothing on conductive heat loss.	$4 = \frac{(2.5)}{(1.5)}$
B) Give a brief account of SPERMATOGENESIS 3577	(3) (2)

2ND YEAR MBBS 2013-14 (Physiology)



DATED: 16-06-14

INSTRUCTIONS

1-All subjective part is to be submitted within 2 HOURS, no extra time will be given

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

SUBJECTIVE PART (SEQs)

TOTAL MARKS: 45

ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MARKS.

ì	ATTEMPT ALL QUESTIONS: ALL QUESTIONS CARRY EQUAL MISS.	
· i		(2)
	A) What is counter <u>current exchanger, give its function.</u>	(2)
Q:	Describe miseturition reflex and its pathway.	(3)
ρo	A) Name the nervous plexuses of GFT and their corresponding functions.	(2)
nc	An Emploin Julian Gon coller with the new Ot a Utilities	
	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, more recent headache &	(1)
	decreased vision. She complains of pain in joining the pain in joi	(2)
	 i. Give the diagnosis. ii. Impact of the responsible hormone on the metabolisms of carbohydrates & proteins. 	\-,
	ii. Impact of the responsible normanc on the means and the manufactors	(2)
0	B) Compare the dwarfism due to hypopituitarism with that due to cretiaism.	(2)
72	de legathalamic-nituitry-testicular axis in adult in the same and the	(3)
S	3) Draw & label the phases of menstrual cycle.	(3)
	3) Draw & affer the passess of the signal cortex.	
	A) Draw the visual pathway till visual cortex. B) Give visual disorders, from which the person will suffer, if there is lesion in right optic B) Give visual disorders, from which the person will suffer, if there is lesion in right optic	(2)
	B) Give visual disorders, from a sight sided ontic radiations.	(3)
	the important speech areas and because	(2)
	A) Define Speech. Give the important speech.	(3)
(Discuss the districts of special by Antrolateral system.	(2)
3	A) Name the tracts and corresponding sensatives of synapse.	
•	 A) Name the tracts and corresponding sensations. B) Define synapse. Give its types. Give properties of synapse. A) Compare the features of upper motor neuron and lower motor neuron lesions. 	(2)
	and the features of upper motor near the features of upper motor n	(2)
	Dy Deny a stretch reflex.	its
	A) Compare the restable of the state of the	
	A) A 50-year-old patient came to anythous of hands at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. Cive your diagnosis	
		(1)
	the mythophysiology of disease	(0.5)
	E.How you will treat such patient L - D of a	(1.)
	1.110 your management of the state of the st	
	B) List the features of cerebellum disease.	
		7

Send -up Examination Part 2 MBBS 2015-16

(Physiology-Subjective)

1-All subjective part is to be submitted within 130 minutes, no astra time will be given 2-Neat handwriting, use of margins will increase the outlook /p:esentation of your paper

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS

TOTAL	MARK	S =	50
TIME =	2 hours	10	min

DATED: 33-9-3016

(3)

(3)

(2)

(1

21. A) Name dorsal column tracts, list the sensations carried by these. B) Draw dorsal column-medial lemniscal system pathway till the primary sensory cortex.	(2) (2)	,
Q2. A) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary meands at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. His factiff no change of conversion		

ath no change of expression. i. Give your diagnosis

- ii. Explain pathophysiology of disease What other symptoms and signs the patient will show B) List the physiological divisions of cerebellum and their functions Q3. A) Classify the sensory receptors
- B) Briefly mention the properties of receptors. Q4. A) Write down the Functions of Hypothalamus.
- B) Define Speech. Give the important speech areas and mechanism of speech, Q5. A) Define GFR.

B) List the DETERMINANTS of GFR and outline their impact on GFR.

- Q6. A) Define accommodation reflex. Give in detail the reactions for near response & It's nervous pathway.
 - B) Give an account of functions of middle ear with special emphasis on impedance matching,
- O7. A) Explain the functions of insulin related to carbohydrate metabolism. B) A lady presents to the outdoor with complaints of unexplained obesity, severe muscular weaking and bruises on the body. On examination, she is found to have a moon face appearance, unequal f distribution and stria. She is also found to be suffering from hyperglycemin.
 - Diagnose the disease.
 - What is the underlying pathology?
- A) What are requirements for concentrated urine formation? O8. B) Describe steps involved in Counter current multiplier mechanism.
- (19. A) Give the hypothalamic-pituitary-testicular axis in adult male stressing upon the hormones involved.
 - B) Draw & label the phases of uterine cycle.
- ()10.A) Discuss in detail the mechanism of heat loss when a person is exposed to hot environment. B) Discuss the role of hypothalamus in regulation of body temperature

Department of Physiology

$2^{ml}~\rm YEAR~MBBS~2011-16$

SENT-UP EXAMINATION

INSTRUCTIONS

1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given 2-Heat handwriting, use of margins will increase the outlook/presentation of your paper.

SUBJECTIVE PART (SEQs)

TOTAL MAYRIES, 50

DATED: 05-07-13

O1. A) Define GFR. Enlist factors regulating GFR. (c) (2) B) Explain microrison reflex briefly. (2) Give the mechanism of formation of concentrated urine with special emphasis on counter-correct multiplier system. (3) O3. A) List the events occurring in picky appal phase. (2) B) Enumerate the functions of stong.ch. (3) O4. A) Name dorsal column tracts & list the sensations carried by these. (4) B) Give properties of sensory receptors. (2) O5. A) Draw & label the Dual pain pathway. (2) O6. A) Give a brief account of origin, pathway & function of pyramidal tract. (3) O6. A) Give a brief account of origin, pathway & function of pyramidal tract. (4) B) A 60 year old patient was brought in emergency with complaint of progressive (5) Weakness & loss of voluntary control oil right side of his body. He is a known hypertensive. On examination, he is unconscious and Baltinski's sign was found to be	MARKS.	
(2) (3) Explain mictorision reflex briefly. (4) (5) Explain mictorision reflex briefly. (6) Give the mechanism of formation of concentrated urine with special emphasis on counter-correct multiplier system. (7) (8) List the events occurring in piner model phase. (8) (9) Enumerate the functions of stong etc. (9) (9) A) Name dorsal rolumn tracts & list the sensations carried by these. Further (1) (1) (2) (3) (4) Give properties of sensory receptors. (2) (3) (4) (5) (6) A) Draw & label the Dual pain pathway. (6) (7) (8) (9) A) Give a brief account of origin, pathway & function of pyramidal tract. (8) (9) A) Give a brief account of origin, pathway & function of pyramidal tract. (8) (9) A) Give a brief account of origin, pathway & function of pyramidal tract. (8) (9) A) Give a brief account of origin, pathway & function of pyramidal tract. (9) (1) (2) (3) (4) (5) (6) (7) (7) (8) (9) (9) (9) (9) (9) (1) (1) (1) (2) (2) (2) (3) (4) (5) (6) (7) (8) (9) (9) (9) (9) (9) (1) (1) (1) (1) (2) (2) (2) (2) (3) (4) (5) (6) (7) (7) (8) (8) (9) (9) (9) (9) (9) (1) (1) (1) (1) (1) (2) (2) (2) (2) (3) (4) (5) (6) (7) (7) (8) (8) (9) (9) (9) (9) (9) (1) (1) (1) (1) (1) (1) (2) (2) (2) (2) (3) (4) (5) (6) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (1) (1) (1) (1) (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (3) (4) (4) (5) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	ATTEMPO ALL QUESTIONS; ALL QUESTIONS CARRY ROBATIOS	
(3) (3) (3) (3) (4) List the events occurring in pinery ogeal phase. (3) (4) Enumerate the functions of stometh. (5) (6) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(91, A) Besine GFR. Enlist factors regulating GFR. (92) (93) (94) (95) (96) (97) (97)	
(3) (3) (3) (4) Name dorsal rolumn tracts & list the sensations carried by these. (4) (5) (6) (7) (8) (9) (9) (9) (9) (1) (2) (2) (3) (4) (5) (6) (7) (8) (9) (9) (9) (9) (9) (1) (1) (2) (2) (3) (4) (5) (6) (7) (8) (9) (9) (9) (1) (1) (1) (2) (2) (3) (4) (5) (6) (7) (8) (9) (9) (9) (9) (1) (1) (1) (1	Course of the state of the stat	(3)
(2) (3) (3) (4) Draw & label the Dual pain pathway. (5) (6) Give the causes of visceral pain & explain the mechanism of referred pain. (6) (7) Give a brirt account of origin, pathway & function of pyramidal tract. (8) (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (8) (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in emergency with complaint of progressive fyfers. (9) A 60 year old patient was brought in eme	11) Enumerate the functions of stonice.	(.3)
(16, A) Give a brirt account of origin, pathway & function of progressive [13f2 (10)] B) A 60 year old patient was brought in emergency with complaint of progressive [13f2 (10)] weakness & loss of voluntary control on right side of his body. He is a known bynertensive. On examination, he is unconscious and Baltinski's sign was found to be	(25. A) Draw & label the Dual pain pathway	(3)
hypericyanic or	(26. A) Give a brief account of origin, pathway & function of progressive 1912	rid
i. What is the most probable diagrassis? What is the most probable diagrassis? What other features related to this disease is expected in this patient. (2)	i. What is the most probable diagrassis? What is the most probable diagrassis? What other features related to this disease is expected in this patient.	(1)
13) Explain the features of Parkinson's disease. (2) (3) Same the Hornmark of the avary, e. 3170gen, Profestione & LesloSle Your	B) Explain the Cartifornia of the ovary. 2,3170 (27)	නිරුද්ධ (2) (3)
(2) (2) (3) Name the Harmanica with the person will suffer it there is lesion in right optic (3) (4) What is limbic system? Give its parts (5) (6) (7) (8) What is limbic system? Give its parts (7) (8) List the functions of hypothalanus. Confol sym a first confet state of social density. (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(39: 1) What is limbic system? Give its parts (39: 1) What is limbic system? Give its parts (39: 1) What is limbic system? Give its parts (30: 1) What is limbic sy	(2) (3) (3) (3) (4) (4)
Q10. A) Draw the visual pathway (n) Then the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer, if there is less on in right spirit. B) Give visual disorders, from which the person will suffer a spirit spir	Q10. A) Draw the visual pathway the Speak of the person will suffer, if there is feston in right B) Give visual disorders, from which the person will suffer, if there is feston in right B) Give visual disorders, from which the person will suffer, if there is feston in right and a nerve, optic chiasma, right optic tract, right side I optic radiations. Property Propert	(2)

2^{ND} YEAR MBBS 2013-14 (Physiology)

SEND-UP EXAMINATION

DATED: 08-08-14

INSTRUCTIONS

1-All subjective part is to be submitted within 2 hours 10 minutes, no extra time will be given. 2-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

SUBJECTIVE PART (SEQs)

TOTAL MARKS: 50

TIME: 2 HOURS 10 MINUTES

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ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS. DRAW THE NECESSARY DIAGRAMS WHERE REQUIRED.

A) What is countercurrent multiplier system in kidney? Explain its mechanism and function in detail. B) Describe miscturition reflex and its pathway. (1-1-2-1 Define GFR. List the determinants of GFR and outline their mechanism of regulation of GFR. A) List all the ascending tracts. B) List the sensations carried by dorsal column medial lemniscus system. C) Draw a sensory homunculus and give its properties. A) Explain with the help of diagram the functional division of corebellum and corresponding function of each part. B) A 55-year-old lady came in emergency with sudden onset of right-sided weakness of body & loss of voluntary movements. She is a known hypertensive. On examination, she is unconscious and Babinski's Signature of the state was found to be positive on right side. What is the most probable diagnosis? i. What other features related to this disease do you expect in this patient? A) Define Speech. Give the important speech areas and mechanism of speech. B) List the functions of hypothalamus. A) Name the nervous plexus of GIT & their corresponding functions. B) Describe the sequence of events occurring in pharyngeal phase of swallowing reflex. A) Give in a tabulated form, the effect of parasympathetic nerve stimulation in heart, GIT, pupil of eye RP and urinary bladder. B) Compare the dwarfism due to hypopituitarism with that due to cretinism. A) Give the hypothalamic-pituitary-testicular axis in adult male with emphasis on the hormones involved B) List the hormones produced by placenta & outline the function of each hormone. A) Enumerate the hormones included in blood sugar level regulation. B) Discuss the role of insulin in carbohydrate and protein metabolisms.

(10. A) Define Accomodation reflex. Give in detail the reactions for near response. Draw the pathway for

B) Draw and label the auditory pathway till auditory cortex.

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First Professional MBBS (Part-2) Annual Examination 2013

(PHYSIOLOGY)

EDEPENT OF THE PROPERTY OF THE

Total Marks 45

otal Time 2 Hrs & 10 Mins

DATED: 26-08-2013

Cond

INSTRUCTIONS

1-. A subjective part is to be submitted within 130 minutes, no extra time will be given. 2-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

	ATTEMIT AND QUESTIONS, AND QUESTIONS			
الل ا	Draw and label the structure of a nephron. Outline the functions of various parts of the renatubule.	(2, 3)	۱-,۰	i
2.	A) Enumerate the stages of swallowing and explain the pharyngeal stage of swallowing. B) Define Dysphagia: Enlist the causes.	(3)	1	•
'	A) Name & van! color is tracts & the the sensations carried by these. B) Give properties of sensory receptors.	(2.5)		•
74	A) Enlist the functions of Basal Ganglia. B) Explain the features of Parkinson's disease.		7	
7/5.	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 and there was tendency to fell when she was asked to walk with closed eyes. A. Which part of central nervous system is diseased in this case? B. Write all other disturbances which may be present in this patient.			
, ~	A) What is limitic system? Give its parts. /B) List the functions of hypothalamus.			
	A) Enumerate the hormones involved in blood sugar level regulation. B) Discuss the role of insulin in carbohydrates and protein metabolisms.	1 (3)	
J.B.	A) Describe the mechanism of ovulation and role of hormones in an adult female. B) Draw & mention briefly the phases of female ovarian cycle.	1 60	3) 2) 3)>	1
A	A) Discuss b riefly the accommodation reflex & its nervous pathway. B) Briefly list & describe the error of refraction.	,	(2)	



1^{\$1} PROFESSIONAL MBBS (PART - II)

ANNUAL EXAMINATION 2014

PHYSIOLOGY

(SEQ's)

Instructions

Time Allowed: 2 hours &10 Minutes

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.

Total Marks: 45

Roll No. -----

1,

3.	Do not write your name or disclose your identity in anyway.	
ر	ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS 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. iii. How you will treat such patient?	(0.5) (1) (0.5)
B	A) Name dorsal column tracts & list the sensations carried by these. 3) Draw a nervous pathway from a peripheral receptor in Dorsal column medial leminescus system ill somtosensory cortex.	(2.5) (2.5)
1-3. A B	A) What is limbic system? List its parts. B) List the functions of hypothalamus with corresponding area or nuclie.	(2) (3)
G	(a) Explain the structure of intescle spindle with diagram with special emphasis on its innervations. Give its important functions. (b) Draw a stretch reflex.	(4) (1)
m) Give the mechanism of formation of concentrated urine with special emphasis on counter-current nultiplier system.) Give a summary of function of kidney.	(3) (2)
- 1/ A.) Enumerate the stages of swallowing and explain the pharyngeal stage of swallowing.) Define Dysphagia. Enlist the causes.	(3) (2)
√ 7. (A)	Describe briefly the phases of female ovarian cycle. Discuss functions of placenta with special emphasis on respiratory & endocrine functions.	· (2)
	A 44-year-old woman, known diabetic presented with backache & a six month history of swelling bony areas of the body, tightening of rings, more recent headache & decreased vision. She compared the body is the body of the compared to the body of the body of the compared to the body of the body of the body of the body.	igs plains
10	i. Give the diagnosis. ii. Impact of the responsible hormone on the metabolisms of carbohydrates & proteins. Compare the dwarfism due to hypopituitarism with that due to cretinism.	(1) (2) (2)
·	Cive in detail the reactions for near response. Also describe the	
(retroust pathway for accomodation reflex (3) Draw offactory pathway? (2).	

1st PROFESSIONAL MBBS Part II ANNUAL EXAMINATION 2016

Physiology

(SEQs)

Total Marks: 45

Roll No.

Time Allowed: 2 hours and 10 minutes

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.

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

O.15 of Describe pain suppression (analgesia) system in brain & spinal cord (1.5) of Dame types of intracranial headache. (1.5) cive causes of intracranial headache. (1.11) cive causes of synapse. (1.12) cive causes of synapse. (2.2) cive causes of synapse cive causes of synapse. (2.5) cive in cause of causes of synapse cive causes of synapse cive causes of fact that his appetite is increased, his body weight is reducing. On examination there was protrusion of cyceball, heart rate was increased and B.P. was raised (Hypertenxion) and an inspite of fact that his appetite is increased and B.P. was raised (Hypertenxion) and there was protrusion of cyceball, heart rate was increased and B.P. was raised (Hypertenxion) and there was protrusion of cyceball, heart rate was increased and B.P. was raised (Hypertenxion) and there was protrusion of cyceball, heart rate was increased and B.P. was raised (Hypertenxion) and there was protrusion of cyceball, heart rate was increased and B.P. was raised (Hypertenxion) and there was protrusion of cyceball that is the components of Limbic system. (2.5) whit is pathophysiology of this disease? (2.5) cive defined and child. She told that she had normal menstrual cycle of 28 days. On urine examination one still had no child. She told that she had normal menstrual cycle of 28 days. On urine examination one still had no child. She told that she had normal menstrual cycle of 28 days. On urine examination one still had no child. She told tha	5. Do not write your name or disclose your identity in anyway.	
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