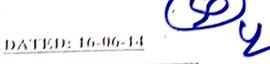
Physiolog

2 NO YEAR MBBS 2013-14 (Physiology)

GRAND TEST

A) What is countergurrent exchanger, give its function.



(2)

INSTRUCTIONS

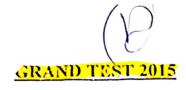
- 1 All subjective part is to be submitted within 2 HOURS, no extra time will be given
- Z final handwriting, use of margins will increase the outlook /presentation of your paper.

SUBJECTIVE PART (SEQs)

TOTAL MARKS: 45

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

3) Describe miseturition reflex and its pathway.	(3)
A) Name the nervous plexuses of GFT and their corresponding functions. B) Explain defecation reflex with the help of a diagram.	(3) (2)
A) A 44-year-old woman, known diabetic presented with backache & a six month bistory of swellings on bony areas of the body, tightening of rings, more recent headache & decreased vision. She complains of pain in joints. A complaint is a fixed the diagnosis.	(1)
ii. Impact of the responsible hormone on the metabolisms of carbohydrates & proteins.	(2)
B) Compare the dwarfism due to hypopituitarism with that due to gestiaism.	(Ž)
A) Give the hypothalamic-pituitry-testicular axis in adult male stressing upon the hormones involved. [3] Draw & label the phases of menstrual cycle.	(2) (3)
A) Draw the visual pathway <u>fill vi</u> sual cortex. \(\sigma\) B) Give visual disorders, from which the person will suffer, if there is lesion in right optic	(3)
perve, optic chiasma, right optic tract, right sided optic radiations.	(2)
A) Define Speech, Give the important speech areas and mechanism of speech. B) Discuss the disorders of speech with examples.	(3) (2)
A) Name the tracts and corresponding scusations carried by Antrolateral system. B) Define synapse, Give its types, Give properties of synapse.	(3) (2)
A) Compare the features of apper motor neuron and lower motor neuron lesions. B) Draw a stretch reflex.	(3) (2)
A) 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. Cive your diagnosis ii. Explain pathophysiology of disease	(e,0)
Fillow you will treat such patient U - Dog o	$\frac{(1)}{(0.5)}$
(4) List the features of cerebellum disease.	(3)



(Physiology)

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)

TOTAL MARKS: 50

TIME: 2 HOURS 10 MINUTES

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

	١	A) What is countercurrent multiplier system in kidney? Explain its mechanism and function in detail.	(3.5) (1.5)	
	1.	D) Decembe sucturation relies and its pariting.	(1.3)	
	2.		aut (i)	
	3.	and the second in tracts clayed column medial leminum, and the	(1.5)	
		B) List the sensations carried by dorsal condain internations. C) Draw a sensory homuneulus and give its properties.	(1.5)	1
Ì.	4.	A) Explain with the help of diagram the functional division of cerebellum and corresponding function	(3)	
		of each part. B) A 55-year-old lady came in emergency with sudden onset of right-sided weakness of body & loss of B) A 55-year-old lady came in emergency with sudden onset of right-sided weakness of body & loss of B) A 55-year-old lady came in emergency with sudden onset of right-sided weakness of body & loss of B).	f	
		was found to be positive on right side.	(1)	
		was found to be positive on right side. What is the most probable diagnosis? Hemiplay a ' What other features related to this disease do you expect in this patient?	(1)	
		ge di anautant speech areas and mechanism of speech.	(3)	
		D) Liet the functions of hypothalamus.	(2)	
		A) Name the nervous plexus of GIT & their corresponding functions.	(3) (2)	
	7.	and urinary bladder Land to hyporituitarism with that due to cretinism.	\sim (3)	
	8.	B) List the hormones produced by placenta & outline the function of each hormone.	(2) (3)	
		A) Enumerate the hormones included in blood sugar level regulation. B) Discuss the role of insulin in carbohydrate and protein metabolisms.	(3)	
	10	b. A) Define Accomodation reflex. Give in detail the reactions for near response. Draw the pathway this reflex.	for (3)	
		B) Draw and label the auditory pathway till auditory cortex.	4	•

Grand Test

MBBS Second Year 2015-16

(Physiology-Subjective)

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 = 45 TIME = 2 hours 10 min

DATED: 25-8-2016

	2.5) 2.5)
Q2. A) A 50-year-old patient came to an outdoor of a hospital with a complaint of involuntary move of hands at rest & feeling of stiffness in legs. He also feels difficulty in starting a movement. His face mask like with 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 164 F	(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. 	(2.3)
B) A lady presents to the outdoor with complaints of unexplained obesity, severe muscular was bruises on the body. On examination, she is found to have a moon face appearance, unequalistribution and stria. She is also found to be suffering from hyperglycemia.	(3) reakness and rai fat
i. Diagnose the disease. ii. What is the underlying pathology?	(1) (1)
Q&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.	(2.5) (1.5) (1)
Q9-A) Enumerate the functions of TESTOSTERONE. B) Give a brief account of SPERMATOGENESIS 357F	(3)

Javed Leghari Grand Test MBBS Second Year 2016-17 (Physiology-Subject)



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.

Physio-2017 ATTEMPT ALL QUESTIONS; ALL QUE

TOTAL MARKS = 45 TIME = 2 hours 10 min	DATED: 24-8-2017	
	. A) Draw Dorsal column medial lemniscus system.	
system	dial lemniscus system with that of anterolateral	(2.5)
Q2. A) A 50-year-old patient came to an outdoor of movements of hands at rest & feeling of stiffness in movement. His face is mask like with no expression	legs. He also feels difficulty in starting a	
 i. Give your diagnosis ii. Explain pathophysiology of disea iii. What other symptoms and signs B) List the physiological divisions of cerebellur 	the patient will show a and their functions	(1) (1) (1) (2)
Q3. A) Draw & label the Dual pain pathway. B) Give the causes of visceral pain & explain t	he mechanism of referred pain	(2) (3)
Q4. A) Define Speech. Write down the important s B)Draw the taste pathway.	peech areas and their functions.	(2.5) (2.5)
Q5. A) Define GFR. Calculate Net filtration pressur B) Enlist all the factors increasing or decreasing		(2) (3)
Q6.A) What changes occur in the Eye, when focuse B) Explain the nervous mechanism involved.	d on near object?	(1.5) (3.5)
Q7. A) List the functions of parathyroid hormone. B) A young man came to OPD with complaint of the was found to be having cystic punched out a phosphates level was increased.	of frequent bone fracture. On X-ray examinate reas in the bones. On investigations alkaline	(2) ion
i) What is most probable diagnosis? ii) What is pathophysiology of disease?		(2) (1)
Q8. A)Discuss the role of Hypothalamus in regu B) Classify the Cholinergic & adrenergic re C) Discuss the role of clothing on conductive her	ceptors.	(2) (1.5) (1.5)
29. A) Enumerate the functions of testosterone before B) Give a brief account of spermatogenesis	ore birth & after puberty	(2) (3)

B) Give a brief account of spermatogenesis

Grand Test

MBBS 2017-18

grand Test Physio

(Physiology-Subjective)

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	
Q1.A) Draw the muscle spindle showing its innervation. B) Compare the stretch reflex with that of inverse stretch reflex.	(2.5) (2.5)
O2. A) Compare &contrast the features of Upper motor neurons & Lower motor neuron Lesion. B) A 60 years old man came to Hospital and told that he had weakness of right side of body. He was unable to comb the hairs, he told that he had D; M for the last 20 years.	(2)
i) What is most probable diagnosis? ii) What are others features of this disease.	(2) (1)
Q3.A) Draw & Explain the "Micturition Reflex". B) Describe the Atonic bladder.	(4) (1)
B)A young man came to OPD with complaint of frequent bone fracture. On X-ray examination found to be having cystic punched out areas in the bones. On investigations alkaline phosp	(1.5) on he was chates leve
was increased. i) What is most probable diagnosis? ii) What is pathophysiology of disease?	(2) (3)
Q5.A) Enlist the components & functions of Limbic system? B) Write down the Functions of Hypothalamus alog with nuclei.	(3) (2)
Q6.A) Describe the mechanism of production of receptor potential in stereocillia of hair B) A bomb blast occurred in the vicinity of house, woman present in home started feel by A bomb blast occurred in the vicinity of house, woman present in home started feel by A bomb blast occurred in the vicinity of house, woman present in home started feel by A bomb blast occurred in the vicinity of house, woman present in home started feel by A bomb blast occurred in the vicinity of house, woman present in home started feel by A bomb blast occurred in the vicinity of house, wo and the vicinity of house, wo have a vicinity of house, which is a v	
hearing is slightly affected, but complete examination revealed no auditory damage, where the mechanism which protect the ear from damage to loud sound?	(-)
QALA) Define Accomodation. Describe "Accomodation reflex". B) Discuss what do you know about reduced Eye.	(3.5) (1.5)
Q8. A) Draw Taste bud. Give its location on the tongue & describe mechanism Of stimulation of taste bud.	(3) (2)
B) Trace the Taste pathway.	(2.5)
Q9. A) Write down the steps of Spermatogenesis. B) Enlist the hormones which stimulate spermatogenesis. C) Define Cryptorchidism& give its cause.	(1.5) (1)
Q10. A) Discuss the role of Hypothalamus in regulating body temperature.	(2.5) (1.5)

B) What is mechanism of sweating and the impact of acclimatization on it?

C) Discuss the effect of clothing on conductive heat loss.

(1)