BUMS LEVEL II – FIRST SEMESTER EXAMINATION – JULY 2016 PHYSIOLOGY III

COURSE CODE - AS 2102

Date - 23.08.2016 Time: 2 1/2 hours 9.45. a.m. - 12.15 p.m.

Index no

all questions.

Part I - Structured Questions

is pupillary light reflex?	(01 marks)
a regulates the intensity of the light?	(01marks)
serve is afferent limb of this reflex?	(0.5 marks)
Derve is efferent limb of this reflex?	(0.5 marks)
Edinger- Westphal Nucleus?	(1.5 marks)

	II. What is consensual responds of eye?	(ES

D.	Fill in the blank with the word "Lost" or "Intact"	
	a. In optic nerve damage on one side	- 11
	I. The ipsilateral direct reflex is	
	II. The ipsilateral consensual reflex is	
	III. The contralateral direct reflex is	
	IV. The contralateral consensual reflex is	
	b. In Occulomotor nerve damage on one side	
	I. The ipsilteral direct reflex is	
	II. The ipsilateral consensual reflex is	
	III. The contralateral direct reflex is	
	IV. The contralateral consensual reflex is	
02.	A TI	
	A. How somatic nervous system differ from autonomic nervous system in the followings	
	I. Effectors:	
	·	
	II. Efferent pathways:	

(1.5 marks)
(02 marks)
(1.5 marks)
(1.5 marks)
(01 marks)

Part II - Essay Questions

- 01. A. Explain briefly about the functional areas of the cerebral hemispheres.
 - B. List the functional differences between the Right and Left cerebral hemispheres.
 - C. A 44 years old farmer presented to the GP clinic with the history of weakness in his less side of the body last 2 days, and unable to hold the tea cup with his left hand due tremor, but he has no tremor at rest. Also he felt in difficulties in wearing his slippen the left foot.
 - I. What could be the neurological problem?
 - II. What are other symptoms and signs which you may expect in this patient?
- A. Differentiate the clinical features in patient with the upper motor neuron lesion and lower neuron lesion.
 - B. A 71 years old chronic smoker was presented to the neurology clinic with the history left sided ear ache, difficulty in swallowing liquids, hoarseness of voice and vertige examination his left eye is not closing properly and also his mouth was deviating to right side while talking.
 - 1. What are the four cranial nerves involved in this patient?
 - II. Which part of the brain could be affected in this patient?
 - C. Describe the functions of the vagus nerve in the body.
- 03. A. List the functions of the spinal cord
 - B. I. What is brown sequard syndrome?
 - II. Describe the clinical features of the above condition?
 - C. A 50 years old female presented to the OPD with the history of difficulty in walking the dark, typically when closing her eyes in the shower and removing cloths over head. She was in UK for 10 years in the past.
 - 1. What could be the neurological condition?
 - II. What is the name for the above sign?
 - III. What are the other clinical features which may be seen in this patient?
 - IV. How this patient walk differ from the patient with cerebellar lesion?
