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INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO, RAJAGIRIYA
BUMS LEVEL II – FIRST SEMESTER EXAMINATION – OCTOBER 2018
PHYSIOLOGY III
COURSE CODE – AS2102

Date: 16.10.2018
Time: 2 ½ hours
1.45 p.m. - 4.15 p.m.

Index No

Answer all questions.

Part I - Structured Question

(01)

1. List the fibrous layers (from inside to outside) enclosing the spinal cord. (0.5 × 3 Marks)

- I.
- II.
- III.

2. Write three sensory modalities which travel through dorsal column ascending pathway.

(0.5 × 3 Marks)

- I.
- II.
- III.

3. List four clinical signs of Upper Motor Neuron (UMN) lesion. (0.5 × 4 Marks)

- I.
- II.
- III.
- IV.

4. (a) What is Tabes Dorsalis

(0.5 Mark)

.....
.....

(b) List three clinical signs of this disease

(0.5 × 3 Marks)

- I.
- II.
- III.

5. (a) What are the main divisions of the autonomic nervous system?

(0.5 × 2 Mark)

- I.
- II.

(b) What is meant by referred pain and give two examples for referred pain? (02 Marks)

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.....
.....
.....

(02)

1. List the degree (types) of nerve injuries.

(0.5 × 3 Marks)

- I.
- II.
- III.

2. Briefly explain the following.

(02 Marks)

- I. Paresis:.....
- II. Paralysis:.....

Part II Essay Questions

(01)

- 2.1 (a) Define the term Neuromuscular junction. (02 Marks)
- (b) Explain the sequence of events that happen at Neuromuscular junction when an action potential reaches (10 Marks)
- 2.3 The disease "Myasthenia Gravis". How this occurs in some individuals? (08 Marks)

(02)

- 3.1 (a) Write the visual pathway (06 Marks)
- (b) List the clinical features of visual pathway lesions. (06 Marks)
- 3.2 (a) What is Bell's palsy? (04 Marks)
- (b) Briefly discuss the symptoms and signs of Bell's palsy (04 Marks)

(03)

- 4.1 (a) What is Glycolysis? (02 Marks)
- (b) Discuss the importance of Glycolysis (08 Marks)
- 4.2 (a) Discuss the role of Insulin in regulation of glucose levels in different tissues (liver, muscle and adipose tissue) (08 Marks)
- (b) What is the normal fasting glucose level in a healthy person? (02 Marks)

16.10.2018
