



INSTITUTE OF INDIGENOUS MEDICINE, UNIVERSITY OF COLOMBO  
 DEGREE OF BACHELOR OF UNANI MEDICINE AND SURGERY  
 LEVEL II – FIRST SEMESTER EXAMINATION  
 JANUARY – FEBRUARY 2020  
 AS 2102 – PHYSIOLOGY – III

EXAMINATIONS  
 Institute of Indigenous Medicine  
 28 JAN 2020  
 University of Colombo

Date: 28.01.2020  
 Time: 2 ¼ hours  
 9.45 a.m. – 12.15 p.m.

INDEX NO:

Answer all questions.

**Part I - Structured Essay Questions**

- I.
  - i. (a) What is referred pain? (02 Marks)  
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 .....  
 .....
  - (b) What is the basis for this referred pain? (02 Marks)  
 .....  
 .....  
 .....
  - (c) List four degenerative brain diseases (02 marks)  
 .....  
 .....  
 .....

ii. Write the definition of the following

(a) What is Nystagmus?

(02 Marks)

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(b) How does botulinum toxin (Botox) act in the treatment of Nystagmus?

(02 Marks)

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2.

i. Briefly explain the following

(a) Neuropraxia

(01 mark)

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(b) Axonotmesis

(01 Mark)

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(c) Neurotmesis

(01 Mark)

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ii. List at least two symptoms for each of the following nerve lesions

(a) Cochlear nerve

(01 Mark)

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marks)

(b) Vestibular nerve

(01 Mark)

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marks)

iii. Briefly explain the metabolic events of the following during starvation

(a) Lipid metabolism

(03 Marks)

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(b) Carbohydrate metabolism

(02 Marks)

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## Part II – Essay Questions

1.
  - (i) Define the term Gluconeogenesis (02 Marks)
  - (ii) Discuss the role of Insulin in the following tissues in lowering blood glucose
    - (a) Liver (04 Marks)
    - (b) Skeletal muscle (04 Marks)
    - (c) Adipose tissue (04 Marks)
  - (iii) Explain the actions of hormone Glucagon (06 Marks)
  
2.
  - (i)
    - (a) What is "Accommodation reflex" of the eye? (04 Marks)
    - (b) Briefly explain the afferent and efferent limbs of pupillary light reflex pathway (06 Marks)
  - (ii)
    - (a) Enumerate five functions of lipids (2.5 Marks)
    - (c) Discuss the steps of digestion and absorption of lipids (7.5 Marks)
  
3.
  - (i) Write short notes on the following conditions
    - (a) Trigeminal neuralgia (04 Marks)
    - (b) Bell's Palsy (04 Marks)
    - (c) Bitemporal hemianopia (04 Marks)
    - (d) Horner's syndrome (04 Marks)
  - (ii) Briefly explain the disease "Tabes Dorsalis" (04 Marks)

28.01.2020

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