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UG/4th Sem/PHYSIO/19

2019

B.Sc. (Hons)

4th Semester Examination

PHYSIOLOGY

Paper - C10T

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.
Illustrate the answers wherever necessary.*

1. Answer any *five* questions from the following :

5×2

- | | |
|--|---|
| (i) What is Hypoxia? | 2 |
| (ii) What is LFT? | 2 |
| (iii) What do you know about O ₂ toxicity? | 2 |
| (iv) What is pleura? Write its physiological significance. | 2 |

[Turn Over]

(v) What is respiratory acidosis? 2

(vi) What do you know about pneumotaxic centre? 2

(vii) What is high altitude sickness? 2

2. Answer any *four* questions from the following :

4×5

(i) What do you know about the factors which control respiration? 5

(ii) What are the effects of increased barometric pressure on respiration? 5

(iii) Write about the mechanism of CO₂ transport in our body. 5

(iv) Write briefly about the various respiratory abnormalities. 5

(v) Write about neural regulation of breathing. 5

(vi) Discuss about hypercapnia and hypocapnia. 5

(3)

3. Answer any *one* question from the following :

10×1

- (a) What do you know about the physiological mechanism of breathing and the process of gas exchange in the lungs? 5+5
- (b) Write about the effects of sleep on respiration and the effects of exercise on respiration. 5+5
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