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B.A. RNLK-/C6T/22

2022

Physiology (H)

[Third Semester]

Paper - C6T

Full Marks : 40

Time : 2 hours

*The figures in the right-hand margin indicate 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 (05) questions of the following :

5×2=10

- a) Define FRC.
- b) Why physiological dead space volume is equal to anatomical dead space volume in healthy individual?
- c) State the name and location of chemoreceptors.

*(Turn Over)*



( 3 )

- e) What is pnemogram? What is ventilation perfusion ratio?  $2\frac{1}{2}+2\frac{1}{2}$
- f) What is J-receptor? Briefly state the Hering-Breuer relfex with its importance.  $1+3+1$

**3. Answer any one (01) of the following :  $1\times 10$**

- a) Discuss about oxygen dissociation curve. Mention the effects of  $p^H$  and temperature on this curve. What  $P_{50}$ ?  $5+4+1$
- b) Define - (i) Haldane effect  
(ii) Atelectasis  
(iii) Clinical manifestation of Asthma.  
(iv)  $FEV_1$  and Asphyxia.