Total Pages – 2

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 : $5 \times 2=10$

a) Define FRC.

b) Why psysiological dead space volume is equal to anatomical dead space volume in healthy individual?

c) State the name and location of chemoreceptors.

(Turn Over)

d)	Mention the name of paired cartilages of larynx.	
e)	What is COPD?	
f)	Define the elastic recoil of lungs.	
g)	Mention four non respiratory functions of lungs.	
	What do you mean by intrapleural and intrapulmonary ssure?	
Answer any four (04) of the following : 4×5=20		
a)	Which muscles are involved in forced respiration?	

(2)

b)	Write notes on –	(i) Histotoxic hypoxia
		(ii) Emphysema

What is pump handle movement?

c) Briefly describe the process of carbon dioxide transport as a chemical compound formation through blood. What is Hamberger phenomenon? 3+2

d) State the role of routine respiratory centre in respiration.

B.A. RNLK-/Psychology/C6T/22

2.

(Turn Over)

3+2

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	
Answer any one (01) of the following : 1×10		
a)		

(3)

- b) Define (i) Haldane effect
 - (ii) Atelectasis
 - (iii) Clinical manifestation of Asthma.
 - (iv) FEV_1 and Asphyxia.

B.A. RNLK-/Psychology/C6T/22

3.