10. Venturi principle.

9. Surfactant and its role.

8. Vital capacity.

5. Type of population. 6. Types of error.

1. What are the main purposes of tabulation?

4. Define measure of dispersion.

7. Define regression analysis.

3. Give different methods of collection of data.

8. Factors affecting gas diffusion across alveoli to blood.

2. The following de 1 (1 .1 . . 10

2.	The foll	owing da	ita gives f	the per ac	cre yield	on wheat	(kilogran	n) from 1	0 experir	nental
	farms	-	-	_	-		-		_	
	2020	2100	2040	2030	2070	2060	2080	2050	2110	2090

III. Short Answers on:	(10 x 3 =

II. Write Notes on:

4. Scatter diagram.

6. Measure of mortality. 7. Oxygen dissociation curve.

1 Explain the proceedure for doing the equare test

2. Write short notes on systematic and cluster sampling.											
3. Find the mean deviation from median and mode from the following data:											
CI	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	

	3. Find the mean deviation from median and mode from the following data:										
	CI	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50
1	D	7	10	17	24	22	20	17	7	2	1

-	1.	Explain the procedure for doing chi-square test.
	2.	Write short notes on systematic and cluster sampling.
-	3.	Find the mean deviation from median and mode from the following data:

3. Find the mean deviation from median and mode from the following data:										
СІ	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50
Frequancy	7	10	16	24	23	28	17	7	2	1

5. Why it that standard deviation is considered the most popular measure of dispersion?

3. Write briefly about states of matter. Discuss in detail about various gas laws and its clinical application.

I. Elaborate on:

Time: Three Hours

[LH 0815]

B.Sc. RESPIRATORY THERAPY FIRST YEAR

PAPER IV - BIO STATISTICS AND PHYSICS

Q.P. Code: 802604

Answer All questions

Maximum: 100 Marks

 $(3 \times 10 = 30)$

Sub.Code :2604

1.6 1.2 1.8 3.5 0.2 -1.7

1. A certain drug administered to 10 patients showed following additional hours of sleep; 0.5 2.7 -0.6

- 2. Write brief notes on ANOVA.

-1.0

Can it be concluded that the drug does produce additional hours of sleep?

$(8 \times 5 = 40)$

$$(10 \times 3 = 30)$$

AUGUST 2015