

I. Answer the following questions:

1x5=5

1. Define Residual Volume
2. What is Adam's apple?
3. What is Carboxyhemoglobin?
4. Why is it advisable to do nasal breathing rather than mouth breathing?
5. Alveolar  $P_{O_2}$  is ----- than the venous  $P_{O_2}$  in lungs while arterial  $P_{O_2}$  is ----- than the alveolar  $P_{O_2}$ .

II. Answer the following questions in short:

2x3=6

6. Define vital capacity what is its significance?
7. How does haemoglobin help in the transport of oxygen from lung to tissues?
8. Write the various modes of transportation of carbon dioxide in the blood.

III. Answer the following questions in brief:

3x3=9

9. State the differences between the following:
  - a) Expiratory and Inspiratory reserve volume
  - b) Total lung capacity and vital capacity
  - c) Occupational respiratory disorder and emphysema
10. Diffusion of gases occurs in the alveolar region only and not in the other part of respiratory system- why?
11. Draw a labelled diagram of the human respiratory system.

IV. Answer the following question in detail:

5x1=5

12. a) Differentiate between oxyhaemoglobin and carbaminhaemoglobin
  - b) What happens to the respiratory process in a man going up a hill?
  - c) Give the name of the three major layers of diffusion membrane.

EVERWIN VIDHYASHRAM

TT – Economics

13.01.20

STD:XI (Con)

Marks:25

I. One Word Answer:

2x1=2

1. The Column heading of a table is also known by which other name?

a)Title      b)Caption      c)Head notes      d) Reference Notes

2. Give the other name of “Ogive”.

II. Answer the following:

1x3=3

3. What is called as Spatial Classification? Give an example table for it.

III. Answer in brief:

2x4=8

4. What are the essential parts of a statistical table?

5.a) Distinguish between a bar diagram and a histogram.(OR)

b) Represent the following information through a time series graph.

years	2012	2013	2014	2015	2016	2017	2018
Exports (in Crores Rs.)	300	320	400	350	360	250	450
Imports (in Crores Rs.)	450	300	280	375	330	450	325

V. Answer in Detail:

2x6=12

6. What is mean by pie Diagram? Write the steps involved in constructing it.

7.a) Distinguish between classification and tabulation. (OR)

b) The following table shows the estimated sectoral real growth rates (percentage change over the previous year) in GDP at factor Cost.

Year	Agriculture and allied sectors	Industry	Services
1994-95	5.0	9.2	7.0
1995-96	-0.9	11.8	10.3
1996-97	9.6	6.0	7.1
1997-98	-1.9	5.9	9.0
1998-99	7.2	4.0	8.3
1999-2000	0.8	6.9	8.2

Represent the data as multiple time series graphs.