

Q.P. CODE: 112016

Reg. No:

**First Year B.Sc Perfusion Technology Degree Regular/Supplementary
Examinations December 2025**

**Physiology
(Common for 2016 and 2024 Scheme)**

Time: 3 Hrs

Max. Marks:80

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x10=20)

1. What is erythropoiesis. Explain the stages of erythropoiesis. Add a note on factors regulating it
2. With the help of a diagram, describe the lung volumes and capacities in a normal spirogram. Add a note on oxygen transport in the blood

Short notes:

(6x5=30)

3. Regulation of heart rate
4. Deglutition
5. Pyramidal tract
6. List the hormones of adrenal gland. Explain the actions of glucocorticoids
7. Transfusion reactions
8. Describe the structure and functions of neuron

Answer briefly:

(10x3=30)

9. Functions of plasma proteins
10. Water reabsorption in the renal tubules
11. Spermatogenesis
12. Diuretics
13. Sarcomere
14. Triple response
15. Actions of growth hormone
16. Cross matching
17. Functions of cerebellum
18. Jugular Venous Pulse (JVP)
