

B.Sc. (ALLIED HEALTH SCIENCES), SECOND YEAR DEGREE EXAMINATIONS: MAY, 2025

ANAESTHESIA TECHNOLOGY

PAPER-I

**HISTORY OF ANAESTHESIA, APPLIED ANATOMY, PHYSIOLOGY AND
PHARMACOLOGY RELATED TO ANAESTHESIA TECHNOLOGY**

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark
Color pencil.

Write an essay on any TWO of the following questions:

2 X 10 = 20

1. Describe Oxygen Dissociation curve (ODC). Mention factors causing shift of ODC curve to right and left.
2. What is Autonomic Nervous System. Describe the structure of Autonomic Nervous system.
3. How do you do Blood grouping and typing? Write complications of blood transfusion.

Write a short note on any FIVE of the following:

5 X 6 = 30

4. Define Cardiac output and factors affecting it.
5. Non depolarizing muscle relaxants.
6. Physiological changes in pregnancy.
7. Describe major fluid compartments of body.
8. Hypoxia and different types.
9. Autoregulation of Renal Blood Flow.

Write briefly on the following:

10 X 3 = 30

10. 25% Dextrose.
11. Furosemide.
12. Atropine.
13. Bed side pulmonary function tests.
14. Hypokalaemia.
15. John snow.
16. Isoflurane.
17. Causes of Hypertension.
18. Bronchospasm.
19. Composition of Cerebrospinal fluid (CSF)
