

Rajiv Gandhi University of Health Sciences, Karnataka
II Year B.Sc. Anaesthesia Technology Degree Examination – 26-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

Introduction to Anaesthesia Technology (RS-3)

Q.P. CODE: 3268

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Question No.2 Choice)

2 x 10 = 20 Marks

1. What are the safety features in Anaesthesia machine explain in detail.
2. What is pressure regulator? Explain with the diagram? What is the necessity of having a pressure regulator and its working principle?

OR

Oxygen therapy

SHORT ESSAYS (Question No.5 & 10 choice)

10 x 5 = 50 Marks

3. Flow meters and its principles.
4. Explain cylinder pressure gauge with neat diagram.
5. Ambu bag
6. Flexometallic ET tubes.
7. Tracheostomy – types and indications.
8. Explain functional analysis, structure, advantages and disadvantages of Bains circuit.
9. Pulse oximeter and its principles?
10. How do you identify the cylinders and its contents? What is the service pressure of the cylinder and its importance?

OR

Types of face masks techniques of using the face masks explain in detail about RBS face masks.

11. Describe Hanger yoke.
12. Isoflurane.

SHORT ANSWER (Question No. 15 & 20 choice)

10 x 3 = 30 Marks

13. Guidel's airway.
14. Types of endotracheal tubes and methods of confirming tube position in trachea.
15. Storage of gas cylinders.

OR

Safety features of cylinders.

16. John Snow.
17. Two best indications of Oxygenation.
18. Nasal prongs.
19. Uses of ETCO₂.
20. Sites of placing pulse oximetry.

OR

Humidity in breathing air.

21. Color coding of cylinders.
22. Intra operative monitors used during surgery.
