# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Anaesthesia Technology Degree Examination – OCT-2019

Time: Three Hours | Max. Marks: 100 Marks

## Introduction to Anaesthesia Technology (RS)

## Q.P. CODE: 1237

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

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Mention the components circle system. Add a note on soda lime canister.
2. Mention all the safety features in the anaesthesia machine.
3. Define oxygen therapy. Classify the various devices used in oxygen therapy. Mention the hazards of oxygen therapy.

SHORT ESSAYS (Answer any Twelve) 12 x 5 = 60 Marks

4. Pin index safety system and DISS
5. Describe the hanger yolk assembly. Enumerate the uses of yolk block.
6. Oxygen flush
7. Flow meter assembly
8. Define breathing system and mention its components. Write a note on Adjustable Pressure Limiting valve (APL).
9. Mapleson D circuit
10. Venturi effect and its application
11. Double Lumen Tubes (DLT)
12. History of inhalational anaesthesia
13. Post operative shivering
14. Pulse oximetry
15. Describe in detail oxygen pressure failure devices or alarms in the anaesthesia machine.
16. Intraoperative monitoring
17. Oxygen concentrators

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

18. Chemical sterilization technique
19. Difference between hypoxia and hypoxemia
20. Portable suction unit
21. What is Tare weight of cylinders? Define filling density ratio.
22. Laryngoscope
23. What are the types of gas flow?
24. Venturi mask
25. Non re-breathing valves
26. Nasal prongs
27. What is anatomical and apparatus dead space?
28. WTG morton
29. Transportation of gas cylinders

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Operation Theatre Technology Degree Examination – OCT-2019

Time: Three Hours Max. Marks: 100 Marks

## Introduction to Operation Theatre Technology (RS)

Q.P. CODE: 1241

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Monitoring of Pre-operative, intro-operative and post-operative
2. Waste segregation and disposable in operation theatre
3. Briefly discus about crystalloids and colloids.

SHORT ESSAYS (Answer any Twelve) 12 x 5 = 60 Marks

4. Inhalation anaesthetics agents
5. Fumigation of OT
6. Pre-operative cousent
7. Laryngo scope
8. Uses of obsorble and non-absorble sutures
9. Scrubbing gowning and gloving
10. Different types and sterilization of endotracheal tubes
11. Types and uses of needle holder
12. Glutaraldehyde
13. Types and uses of cautery
14. Incisions
15. Emergency intubations trolley things
16. Duties of nurses
17. Face mask and Ambubag

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

18. Types and uses of BP handle
19. Short acting muscle relaxant
20. Define antisepsis.
21. ECG
22. Head light
23. Care of sharp instruments
24. Uses of hot air oven
25. Uses of Allias forceps
26. Lithotomy position
27. Types of regional Anaesthesia
28. Chemical sterilization
29. Indications of nasal intubation

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