Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. Anaesthesia Technology Degree Examination – September 2014

Time: Three Hours **Max. Marks: 100 Marks**

Clinical Anaesthesia Technology
Paper – I (RS Scheme)

Q.P. CODE: 2932

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. Preparation, Techniques and Complications of Endotracheal Intubation
2. Check List for Anaesthesia Machine.
3. What are the Criteria used for accepting the case for surgery.

SHORT ESSAYS (Answer any Ten) **10 x 5 = 50 Marks**

4. What cardiac emergency drugs should be kept in O T? Explain any one.
5. What is Laryngospasm? Management
6. What is Capnography? Significance of it
7. What Bio chemistry test you will advice to a patient for Routine Pre Anaesthesia Check up?
8. Criteria for Extubation
9. What is Hypoxia? Causes of Hypoxia
10. What is ECG? Enumerate 5 abnormal conditions which ECG can depict.
11. What is Nitroglycerine? Doses and use of it
12. History of patient to be taken in Pre anaesthetic check up
13. Basic Monitoring during Anaesthesia - Enumerate.
14. What is flow meter? Safety Device Incorporated in it.
15. What are types of Endotracheal tube?
16. What is Hyponatremia? Symptoms of Hyponatremia
17. Short note on Pressure Relief Value

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

18. How will you sterilize Laryngoscope?
19. What is soda Bicarbonate? Indication for usage of it
20. Indications and dose of dopamine
21. Role of Antacids in Anaesthesia
22. What is Hypokalemia? How will you treat it?
23. What Neurological Problems are encountered in Recovery Room?
24. Causes of Intra operative Bradycardia
25. What drugs are used for Postoperative Nausea & Vomiting?
26. How will you protect the Peripheral nerves of the patient during positioning for surgery?
27. How will you Monitor post operatively a patient who has undergone spinal Anaesthesia?
28. What is Informed Consent?
29. Enumerate Site of cannulation in a Patient.

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III Year B.Sc. Anesthesia Technology Examination – September 2014

Time: Three Hours **Max. Marks: 100 Marks**

APPLIED ANAESTHESIA TECHNOLOGY

PAPER – II (RS)

Q.P. CODE: 2933

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. Classify muscle relaxants and describe about any one non-depolarizing muscle relaxant in detail.
2. What are the complications during anaesthesia related to equipment?
3. Classify drugs used in regional anaesthesia and explain in detail about sensorcaine.

SHORT ESSAYS (Answer any Ten) **10 x 5 = 50 Marks**

4. Stages of ether anaesthesia
5. History of inhalational anaesthesia
6. Difficult intubation drill
7. Ketamine
8. Epidural anaesthesia
9. Steps of CPR
10. Explain briefly Cardiovascular complications during anaesthesia
11. Accidents during anaesthesia
12. Monitoring during anaesthesia
13. Nerve stimulators
14. Halothane
15. Opioid analgesics

SHORT ANSWERS (Answer any Ten) **3 x 10 = 30 Marks**

16. Beir's block
17. Rocuronium
18. Neostigmine
19. Adrenaline
20. Atropine
21. Hypotension
22. Identification of the patient
23. Bradycardia
24. Isoprenaline
25. MAC
26. Nitrous oxide
27. Midazolam

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III Year B.Sc. Anesthesia Technology Degree Examination – September 2014

Time: Three Hours **Max. Marks: 100 Marks**

ADVANCED ANAESTHESIA TECHNOLOGY
(Revised Scheme)

Q.P. CODE: 2934

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. What is status asthmatics? How will you manage a case of bronchial asthma?
2. How will you prepare a patient for cardiac surgery? What monitoring is required for it?
3. What is hyperthyroidism? Sign, symptoms and management of case with hyperthyroidism

SHORT ESSAYS (Answer any Ten) **10 x 5 = 50 Marks**

4. What is reversal of coagulation? Elaborate on the drug, which is used.
5. Preoperative consideration in a paediatric case
6. What is Hepato Renal syndrome? Management of it
7. Manifestation of renal failure - Elaborate.
8. Intra operative considerations in obese patients
9. Complications of Pregnancy Induced Hypertension
10. Diabetic keto acidosis
11. Considerations during Anaesthesia for Bronchoscopy
12. Challenges for anaesthesia in a case of thymectomy
13. Modes of Ventilation enumerate them.
14. Intra operative causes of hypertension
15. Complications of diabetes mellitus enumerate them.

SHORT ANSWERS (Answer any Ten) **10 x 3 = 30 Marks**

16. What are the drugs used for postoperative epidural Analgesia?
17. What is significance of temperature control during anaesthesia? What does hypothermia do?
18. What are the drugs used for Resuscitation of newborn?
19. What is Aerosol therapy?
20. What is functional residual capacity?
21. Which is the commonly used anti arrhythmic in operation theatre?
22. How will you calculate maintainance fluid requirement of a 10 kg child?
23. How will you take care of Arterial line?
24. What is Myxodema Coma?
25. What is Nebulization?
26. What is atrial fibrillation and its treatment?
27. What is Hypocalcemia? Treatment

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