Rajiv Gandhi University of Health Sciences, Karnataka

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

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. Discuss in detail about Medical gas pipeline system and station outlet. Write a note on Diameter Index Safety system.
2. What are the types of Resuscitator bags? What are the indications and hazards of rescusitator bags?
3. Mention Ten golden rules of anaesthesia. How do you prepare and assess a patient posted for surgery?

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

4. Ayres T piece
5. Oxygen therapy
6. Write short note on Bourdons pressure Gauge.
7. Define density and specific gravity. Write briefly on its clinical significance.
8. August Bier
9. Write short note on maintenance of Vapourizers.
10. Describe Gas analyzer
11. Describe briefly the long-term complication of Endotracheal intubation.
12. Short note on spontaneous breathing & controlled ventilation
13. Storage of cylinder
14. Canister
15. Tracheostomy set
16. Mapleson breathing system
17. What is humidification? Classify humidifiers.

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

18. Name the types of cylinders.
19. Chemical sterilization in HBsAg positive cases
20. Gay Lussacs law
21. Venture principle
22. Magills forceps
23. Label on cylinder
24. Wall outlet
25. What is cross connection of gases and its consequences?
26. Leaks
27. Suctioning steps prior to extubation
28. What is compliance?
29. Handling and filling of circle absorbant.

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Rajiv Gandhi University of Health Sciences, Karnataka

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

Time: Three Hours **Max. Marks: 80 Marks**

MEDICINE RELEVANT TO ANAESTHESIA TECHNOLOGY (RS)

Q.P. CODE: 1238

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 diabetes, preoperative evaluation, intra operative management and post operative care of a patient with diabetes mellitus.
2. Classify arrhythmias. Explain in detail management of patient with ventricular fibrillation.
3. Define obesity, complications of obesity and perioperative management of obese patient.

SHORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Define shock and management of hypovolemic shock.
5. Universal precaution
6. Respiratory acidosis
7. Hyperkalemia.
8. Cardiovascular changes in pregnancy.
9. Perioperative management of patients with liver disease
10. Rapid sequence induction
11. Status asthmaticus
12. Generalized tonic clonic seizures
13. Antihypertensive drugs

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

14. Clinical manifestation of IHD
15. Mention the abnormal physical findings in patients with COPD.
16. Secondary causes of hypertension.
17. Dopamine
18. Hypothermia
19. Insulin
20. Iron deficiency anemia.
21. Phenytoin
22. Diuretics
23. Hypoglycemia
24. Co morbidities in elderly patients
25. Cadioversion

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