

1138 - PRINCIPLES OF ANESTHESIA 1

UNIT 1 - ANAESTHESIA MACHINE & MEDICAL GAS SUPPLY

I. ELABORATE ON

10 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Discuss in brief the things you will check for in the operation theatre before induction of anaesthesia.	August 2012	Apply
2	How will you receive the patient in the post operative recovery room?	August 2012	Apply
3	What care will you take for a patient under anaesthesia to be put in prone position in the operating room?	August 2012	Apply
4	Discuss in brief about the safety measures in anaesthesia machine.	February 2013	Analyze
5	Enumerate the various inhalational agents used in operation theatre. Write a note on vaporizer.	February 2013	Remember
6	Discuss in detail the checklist for receiving the patient in preoperative room from ward.	February 2013	Apply
7	Write a note on Manifold. Discuss the advantages of Central pipeline system and its safety features.	March 2021	Understand
8	What is a central manifold? Elaborate on the things you will check in the manifold. Add a note on safety precautions to be taken in a manifold.	August 2014	Analyze
9	Enlist the things to be kept ready prior to the surgery in the operating room.	February 2014	Remember
10	How will you receive a patient from ward to the preoperative room? Mention the importance of each point.	August 2014	Apply
11	Discuss in detail about Safety systems in Anaesthesia machine and Medical gas supply.	February 2022	Analyze
12	Circle absorption system – Components and function.	February 2017	Understand
13	Preparation of Operation Theatre for Emergency laparotomy under General anaesthesia.	February 2017	Apply
14	Enlist the things to be kept ready prior to the surgery in the operating room.	February 2019	Remember
15	Where is Respiratory centre situated? What are all components of respiration? Describe in detail about lung volumes. Give five examples of muscle relaxants.	February 2016	Understand
16	What is Pre-Operative Assessment? Describe about Mallampatti classification of an adult oral cavity. Write about any one premedication drug, uses and side effects?	March 2021	Understand

II. WRITE NOTES ON

5 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Intra-operative monitoring.	August 2012	Understand
2	Informed consent.	August 2012	Understand
3	August Bier.	August 2012	Remember
4	Basic monitoring in operation theatre.	February 2013	Understand
5	William T.G.Morton.	February 2013	Remember
6	Care of Laryngoscope.	February 2013	Apply
7	Importance of temperature probe.	February 2013	Understand
8	Pin Index System.	February 2013	Understand
9	Fire hazards in Operation Theatre.	March 2021	Understand
10	Soda Lime.	March 2021	Understand
11	Cylinder color coding system.	March 2021	Remember
12	William .T.G. Morton.	August 2014	Remember
13	Reservoir bag.	August 2014	Understand
14	Toxicity of local anaesthetics.	August 2014	Understand
15	Renal function tests.	August 2014	Remember
16	Hazards of Blood transfusion.	August 2014	Understand
17	Sterilization of Anaesthesia Equipments.	March 2021	Apply
18	Prone position.	March 2021	Understand
19	Technicians' responsibilities during Lumbar Puncture.	August 2014	Apply
20	Atropine sulphate.	August 2014	Understand
21	Jackson Rees System.	February 2013	Understand
22	Measures to overcome fire hazards in operation room.	February 2013	Apply
23	Sodalime.	February 2013	Understand
24	Safety features in a vaporizer.	February 2019	Understand
25	Emergency oxygen flush.	February 2019	Understand
26	Daycare Anesthesia.	August 2015	Understand
27	Nasal Airway.	August 2015	Understand
28	Epinephrine.	August 2015	Understand
29	Hepatitis B.	August 2015	Remember
30	Routes of Administration of Drugs.	August 2015	Remember
31	Precaution to be taken in prone Position.	August 2015	Apply

III. WRITE A SHORT NOTE ON

3 MARKS

REFERENCE – THE TAMILNADU DR.M.G.R MEDICAL UNIVERSITY QUESTION PAPER

S.No	Question	Reference	Bloom's Taxonomy
1	Breathing Bag (Reservoir Bag).	August 2012	Understand
2	Reversal agents in anaesthesia.	August 2012	Remember
3	Indications of temperature monitoring in operation room.	August 2012	Remember
4	Advantages of pre-medication.	August 2012	Understand
5	Common components of breathing system.	August 2012	Remember
6	Importance of oxygen saturation in general anaesthesia.	February 2013	Understand
7	Propofol.	February 2013	Understand
8	Capnography.	February 2013	Understand
9	Name two different types of endotracheal tube.	February 2013	Remember
10	ASA Grading.	February 2013	Remember
11	Name any two Local Anaesthetic.	March 2021	Remember
12	Intravenous Anaesthetic Agents.	March 2021	Remember
13	NSAIDs.	March 2021	Understand
14	Liver function Test.	March 2021	Remember
15	Parts of Laryngoscope.	March 2021	Remember
16	Cylinder valve.	March 2021	Understand
17	Suction catheter.	March 2021	Understand
18	ASA grading.	March 2021	Remember
19	HIV.	March 2021	Understand
20	Nerve Block.	March 2021	Understand
21	Components of Magill's circuit.	February 2013	Remember
22	Lignocaine.	February 2013	Understand
23	Various sizes of face mask.	February 2013	Remember
24	Oropharyngeal airway.	February 2013	Understand
25	Advantages of Premedication.	February 2013	Understand
26	Dobutamine.	August 2014	Understand
27	Capnography.	August 2014	Understand
28	Yoke Assembly.	August 2014	Understand
29	5% Dextrose Injection.	August 2014	Understand
30	Dopamine.	August 2014	Understand
31	Amnesia.	August 2015	Understand

32	Fentanyl.	August 2015	Understand
33	Airway.	August 2015	Understand
34	PONV.	August 2015	Understand
35	Capnography.	August 2015	Understand
36	Hydroxyl Ethyl Starch.	August 2015	Understand
37	Diuretic.	August 2015	Understand
38	NSAIDS.	August 2015	Understand
39	TETANUS.	August 2015	Understand
40	Recovery Room.	August 2015	Understand