

1138 - PRINCIPLES OF ANESTHESIA 1

UNIT 2 - BREATHING SYSTEM, EQUIPMENTS & MONITORING

I. ELABORATE ON

10 MARKS

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

S.No	Question	Reference	Bloom's Taxonomy
1	Enumerate the Mapleson breathing circuits with one comment on each.	February 2013	Remember
2	Classify local anaesthetics based on chemical structure & enumerate any 3 of each group.	February 2013	Remember
3	Various positions during anaesthesia. How to execute each position?	February 2017	Apply
4	Endotracheal tubes and airways.	February 2019	Understand
5	Multiparameter monitoring – ECG, SpO ₂ , NIBP, Temperature and their importance during anaesthesia.	February 2019	Understand
6	Classify induction agents. Discuss in detail about any 2 induction agents.	August 2017	Analyze
7	Non-invasive monitoring during anesthesia.	February 2020	Understand
8	Invasive monitors (CVP, Arterial line, PA pressure, LA pressure) during anaesthesia.	August 2019	Understand
9	Describe your role in Operation Room asepsis.	August 2013	Apply
10	What is blood grouping? How to start transfusion in operation theatre? Complication of blood transfusion.	March 2021	Apply
11	Enumerate any four different positions given to a patient in operating room and care for each positioning taken.	February 2014	Remember
12	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 A NOTE ON

5 MARKS

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

S.No	Question	Reference	Bloom's Taxonomy
1	Facemask.	March 2021	Understand
2	Laryngeal mask Airway.	March 2021	Understand
3	Sodalime.	February 2013	Understand
4	Enumerate complications of spinal anaesthesia.	August 2013	Remember

5	Methods to preserve humidity (any 2).	August 2013	Remember
6	Signs of adequate reversal.	August 2013	Understand
7	Mapleson's Circuit.	August 2017	Understand
8	Balanced Anaesthesia.	August 2017	Understand
9	Capnography (ETCO ₂).	August 2017	Understand
10	Liver Function test.	August 2017	Remember
11	Oxygen Therapy.	August 2017	Understand
12	Reversal Agents.	August 2017	Remember
13	World Anaesthesia Day.	August 2017	Remember
14	Non Invasive monitors in OT.	August 2015	Understand
15	Daycare Anesthesia.	August 2015	Understand
16	Nasal Airway.	August 2015	Understand
17	Epinephrine.	August 2015	Understand
18	Hepatitis B.	August 2015	Remember
19	Routes of Administration of Drugs.	August 2015	Remember
20	Precaution to be taken in prone Position.	August 2015	Apply
21	Hypothermia.	February 2016	Understand
22	Hazards of Blood Transfusion.	March 2021	Understand
23	Massive blood transfusion.	August 2016	Understand
24	Caudal anesthesia.	August 2016	Understand
25	ACLS.	August 2016	Understand
26	Cylinder colour coding system.	August 2016	Remember
27	Measures to overcome fire hazards in operation room.	February 2013	Apply
28	John snow.	August 2013	Remember
29	Basic monitoring in operation theatre.	August 2013	Understand

III. WRITE SHORT NOTE ON

3 MARKS

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

S.No	Question	Reference	Bloom's Taxonomy
1	John Snow.	August 2013	Remember
2	Basic monitoring in operation theatre.	August 2013	Understand
3	ASA Physical status classification.	August 2013	Remember
4	Facemask.	August 2013	Understand
5	Enumerate complications of spinal anaesthesia.	August 2013	Remember

6	Sterilisation of anaesthesia equipments.	August 2013	Apply
7	Methods to preserve humidity (any 2).	August 2013	Remember
8	Signs of adequate reversal.	August 2013	Understand
9	Complications of spinal anaesthesia.	August 2017	Remember
10	Methods of humidification.	August 2017	Remember
11	NPO guidelines.	August 2017	Understand
12	Pulse Oximetry.	August 2017	Understand
13	Premedication.	August 2017	Understand
14	Post operative nausea and vomiting.	August 2017	Understand
15	Horace wells.	August 2017	Remember
16	Emergency Drugs.	August 2017	Remember
17	ASA grading.	August 2017	Remember
18	Different types of Laryngoscopes.	August 2017	Remember
19	Indications of Central venous pressure monitoring	August 2013	Remember
20	Parts of a Laryngoscope.	August 2013	Remember
21	Basic life support.	August 2013	Apply
22	Uses of Atropine.	August 2013	Understand
23	Any 3 precautions to prevent fire in operating room.	August 2013	Apply
24	Any 3 crystalloid solutions used in operating room.	August 2013	Remember
25	Care of tracheostomy.	August 2013	Apply
26	Treatment of anaphylactic reaction.	August 2013	Apply
27	Mention three routine investigations.	August 2013	Remember
28	Importance of oxygen saturation in general anaesthesia.	August 2013	Understand
29	Name any 3 Muscle Relaxants.	August 2016	Remember
30	Advantages of Premedication.	August 2016	Understand
31	Common components of breathing system.	August 2016	Remember
32	Yoke Assembly.	August 2016	Understand
33	5% Dextrose Injection.	August 2016	Understand