

SUBJECT: 1422 - CARDIO PULMONARY BYPASS AND PERFUSION TECHNOLOGY

UNIT III –HEMATOLOGICAL PROBLEMS – QUESTION BANK

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

I. ELABORATE ON

10 MARKS

S.No	Question	Reference	Bloom's Taxonomy
1	Hematocrit management on Bypass	Feb 2016	Understand, Apply
2	Complications of Blood Transfusion	Aug 2019	Understand, Analyze
3	Distinguish Crystalloids vs. Colloids as priming solution for bypass	Aug 2018, Feb 2021	Understand, Analyze

II. WRITE NOTES ON

5 MARKS

S.No	Question	Reference	Bloom's Taxonomy
1	Heparinisation	Aug 2015, Aug 2019	Understand, Apply
2	Heparin reversal	Aug 2014, Aug 2015, Feb 2019	Understand
3	Anticoagulation for Cardio Pulmonary Bypass	Aug 2014	Understand
4	Activated clotting time	Aug 2015, Aug 2017, Feb 2019	Understand, Apply
5	Coagulation Cascade	Aug 2014, Feb 2017	Remember, Understand
6	Auto transfusion	Aug 2013, Aug 2014, Aug 2017, Aug 2019	Remember, Understand
7	Priming solution	Aug 2013, Aug 2014, Feb 2017	Understand
8	Modified cold prime cardioplegia	Aug 2014, Aug 2016	Understand
9	Add a note on priming solution to be used in renal failure patients	Aug 2017	Understand, Apply

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III. WRITE SHORT NOTES ON

3 MARKS

S.No	Question	Reference	Bloom's Taxonomy
1	Hematocrit	Aug 2013, Aug 2014, Feb 2016, Aug 2016, Aug 2021	Remember, Apply
2	Hematocrit management on cardiopulmonary bypass	Aug 2013, Feb 2016, Aug 2019, April 2025	Analyze
3	Complications of Blood Transfusion	Aug 2019	Remember, Analyze
4	Heparin Induced Thrombocytopenia	Aug 2018, Aug 2019	Remember, Understand
5	Protamine	Aug 2015, Aug 2016	Remember, Understand
6	Priming volume	Aug 2013, Aug 2014, Aug 2016, Feb 2017, Aug 2017, Feb 2019, Nov 2023	Remember, Apply
7	Write about the disadvantages of Blood Prime	Aug 2017	Understand, Analyze
8	Write about the role of Ringer Lactate solution as a priming solution	Aug 2018	Understand, Apply
9	Write about the formula to calculate haematocrit value during bypass	Feb 2018, April 2024	Apply
10	Add a note on the priming solution to be used in renal failure patients	Aug 2017	Apply