

SUBJECT: 1422 - CARDIO PULMONARY BYPASS AND PERFUSION TECHNOLOGY

UNIT IV - MYOCARDIAL PROTECTION & HYPOTHERMIA- QUESTION BANK

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

I. ELABORATE ON

10 MARKS

Serial Number	Question	Reference	Bloom's Taxonomy
1	Induced Cardiac Arrest	February 2014, February 2017	Analyze
2	Hypothermia	February 2014, August 2014, February 2017, August 2018, February 2019, August 2019, December 2020, November 2023, April 2024	Analyze
3	Cardioplegia	August 2013	Analyze
4	Principles of myocardial protection	February 2018, August 2019, January 2022	Analyze
5	Types of hypothermia and write notes on deep hypothermic circulatory arrest	February 2018, November 2023, April 2024	Analyze
6	Myocardial Protection in cardiac surgery	August 2019	Analyze
7	Temperature management in Cardio Pulmonary Bypass	August 2014	Analyze

II. WRITE NOTES ON

5 MARKS

Serial Number	Question	Reference	Bloom's Taxonomy
1	Modified cold prime cardioplegia	February 2014, August 2016	Understand
2	Myocardial protection	February 2016, August 2019	Understand
3	Methods of Cardioplegia administration	February 2016, February 2019, April 2024	Understand
4	Hypothermia	February 2016	Understand

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B.Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY



Serial Number	Question	Reference	Bloom's Taxonomy
5	Deep hypothermic cardiac arrest of the heart	February 2016	Understand
6	Warm blood cardioplegia	August 2018	Understand
7	Custodiol cardioplegia solution	August 2017, November 2023	Understand
8	Cold prime cardioplegia	September 2022	Understand
9	Del Nido cardioplegia	April 2023	Understand
10	Types of Cardioplegia and methods of Administration	April 2025	Understand

III. WRITE SHORT NOTES ON

3 MARKS

Serial Number	Question	Reference	Bloom's Taxonomy
1	Induced Cardiac arrest Principles	April 2024	Remember
2	Deep Hypothermic cardiac arrest	April 2025	Remember
3	Cardioplegia	January 2025	Remember
4	Hyperkalemia- causes and management during Cardio Pulmonary Bypass	November 2023	Remember