

**SUBJECT: 1423 CARDIO PULMONARY BYPASS AND COMPLICATIONS, STERILE
TECHNIQUES AND SURGICAL ASEPSIS MAINTENANCE**

UNIT II- AIR LOCK AND AIR EMBOLISM ITS MANAGEMENT- QUESTION BANK

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

I. ELABORATE ON

10 MARKS

S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
1	Enlist the complications of cardiopulmonary bypass. Describe in detail about massive air embolism and its management.	Feb 2021, Sep 2022	Analyze/Evaluate
2	Stroke during Cardiopulmonary Bypass: Causes and Prevention.	Apr 2024	Analyze/Evaluate
3	Elaborate on complications during and termination of Cardiopulmonary bypass.	Aug 2018, Apr 2023	Analyze/Evaluate

II. WRITE NOTES ON

5 MARKS

S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
1	Air lock and its solution.	Feb 2015, Feb 2016, Aug 2019, Apr 2023	Apply/Analyze
2	Systemic air embolism.	Feb 2015, Aug 2015, Feb 2019, Dec 2020	Apply/Analyze
3	Management of air entry into venous line.	Nov 2023, Jan 2025	Apply/Analyze
4	Cerebral protection during Cardiopulmonary Bypass.	Apr 2024	Understand/Apply

III. WRITE SHORT NOTES ON

3 MARKS

S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
1	Air embolism.	Apr 2025	Remember/Understand
2	How will you treat massive air embolism?	Aug 2017	Apply

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B.Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY



S.No	Question	Reference (Month/Year)	Bloom's Taxonomy
3	Enlist any three causes and prevention of systemic air embolism.	Apr 2024	Understand/Apply
4	Management of air entry into venous line.	Jan 2025	Apply
5	Write short notes on causes of cerebral damage post Cardio Pulmonary Bypass.	Sep 2022	Understand/Analyze
6	Retrograde cerebral perfusion.	Aug 2014, Aug 2018, Apr 2023	Understand/Apply