

SUBJECT: 1422 - CARDIO PULMONARY BYPASS AND PERFUSION TECHNOLOGY

UNIT V – ASSISTED DEVICES – QUESTION BANK

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

I. ELABORATE ON

10 MARKS

S.No	Question	Reference (Months/Years)	Bloom's Taxonomy
1	Describe the systemic response to CPB according to organ system.	Jan 2025	Understand/Analyze
2	Describe the various techniques used for blood salvage and conservation during CPB.	Jan 2025	Understand/Explain

II. WRITE NOTES ON

5 MARKS

S.No	Question	Reference (Months/Years)	Bloom's Taxonomy
1	LV assist devices LVAD, RVAD.	Jan 2025, Feb 2014, Feb 2017, Aug 2016, Feb 2018, Aug 2018	Remember/Understand
2	Types and complications of VAD.	Jan 2025	Understand/Explain
3	Timing errors of IABP.	Jan 2025	Understand/Explain
4	Partial Cardio Pulmonary Bypass.	Feb 2014, Aug 2016, Feb 2016, Feb 2019, Apr 2025	Understand/Explain
5	Effect of perfusion on brain, heart and lungs.	Apr 2025	Understand/Explain
6	Cell saver and its uses in Cardiac Surgery.	Feb 2018, Aug 2018, Feb 2022, Apr 2025	Remember/Understand
7	Autotransfusion.	Feb 2014, Aug 2019, Nov 2023	Remember/Understand
8	Principle of Centrifugal Pump and explain with a diagram.	Apr 2025, Feb 2021, Aug 2022	Understand/Explain

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B.Sc. CARDIOPULMONARY PERFUSION CARE TECHNOLOGY



III. WRITE SHORT NOTES ON

3 MARKS

S.No	Question	Reference (Months/Years)	Bloom's Taxonomy
1	Effects of partial heart lung bypass on organs.	Apr 2024	Understand/Recall
2	LV assist devices.	Apr 2024, Feb 2014, Feb 2017, Aug 2016, Feb 2018, Aug 2018	Remember/Recall
3	BI VAD.	Jan 2025	Remember/Recall
4	Intra-Aortic Balloon Pump.	Feb 2014, Feb 2017, Aug 2019, Nov 2023, Apr 2024	Remember/Recall
5	Autotransfusion.	Feb 2014, Aug 2019, Nov 2023	Remember/Recall
6	Cell saver.	Feb 2014, Aug 2014, Feb 2018, Aug 2018, Feb 2022, Apr 2025	Remember/Recall
7	Biomedicus pump.	Aug 2016, Feb 2021, Apr 2025	Remember/Recall