

# Question Paper

Exam Date & Time: 25-Jan-2023 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. PERFUSION TECHNOLOGY DEGREE EXAMINATION - JANUARY 2023  
SUBJECT: MPFT 603- CARDIAC SURGERY  
(2018 SCHEME)

Marks: 50

Duration: 120 mins.

**Answer all the questions.**

**Draw Diagrams wherever Appropriate**

**1) Explain in detail about the following:**

- |     |  |      |
|-----|--|------|
| 1A) | Aortic Stenosis  | (4)  |
| 1B) | Aortic Regurgitation   | (4)  |
| 1C) | Mitral Stenosis  | (4)  |
| 1D) | Mitral Regurgitation   | (4)  |
| 1E) | Tricuspid Valve disease  | (4)  |
| 2)  | Explain in detail about TGA and its surgical management                      | (10) |
| 3)  | Thoraco-abdominal Aortic aneurysm and strategies for its surgical management | (10) |
| 4A) | LV Aneurysm and its management   | (5)  |
| 4B) | Explain in detail about conduits used in CABG                                | (5)  |

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# Question Paper

Exam Date & Time: 30-Jan-2023 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. PERFUSION TECHNOLOGY DEGREE EXAMINATION - JANUARY 2023  
SUBJECT: MPFT 605- INTRODUCTION TO OT & PERFUSION TECHNOLOGY  
(2018 SCHEME)

Marks: 50

Duration: 120 mins.

**Answer all the questions.**

**Draw Diagrams wherever Appropriate**

1) Explain in detail about

- |     |  |      |
|-----|--|------|
| 1A) | Biomedical waste and its management  | (10) |
| 1B) | Sterilization, Methods and Materials used in sterilization                               | (10) |
| 2)  | Difference between roller and centrifugal pump   | (10) |
| 3)  | Enlist and briefly explain the prebypass checklist and checklist Prior to coming off CPB | (10) |
| 4A) | Characteristics of an ideal oxygenator   | (5)  |
| 4B) | Aseptic techniques followed in operating rooms   | (5)  |

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