

Question Paper

Exam Date & Time: 19-Apr-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. PERFUSION TECHNOLOGY DEGREE EXAMINATION - APRIL 2022
SUBJECT: PFT 201 - INTRODUCTION TO PERFUSION TECHNOLOGY
(2016 SCHEME)

Answer All the questions.

Draw Neat diagram wherever required.

Marks: 50

Duration: 120 mins.

Essay:

- 1) Explain in detail about various types of monitoring during cardiopulmonary bypass. (10)
- 2) Define extracorporeal circulation. List out and explain about various components of cardiopulmonary bypass. (10)

3. Write short notes:

- 3A) Ideal characteristics of blood pumps. (5)
- 3B) Explain in detail about principles of venous drainage and types of assisted venous drainage. (5)
- 3C) Different types of blood products and its clinical uses. (5)
- 3D) Differentiate bubble and membrane oxygenator. (5)

4. Short Answer:

- 4A) Neurological Monitoring. (2)
- 4B) Gross Well Technique. (2)
- 4C) Draw a Normal ECG and mark different waves and its clinical indications with the normal time interval of each wave. (2)
- 4D) Angiogram and angioplasty. (2)
- 4E) ACT and its importance. (2)

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