

Question Paper

Exam Date & Time: 18-Apr-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. RENAL REPLACEMENT THERAPY AND DIALYSIS TECHNOLOGY DEGREE EXAMINATION -
APRIL 2022
SUBJECT: MDT 701 - RENAL TRANSPLANTATION
(2018 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the types of kidney transplantation. List the indications and contraindications for kidney transplantation. (20)
- 2) Describe the types of kidney transplant rejection and explain their causes. (20)
- 3A) Classify the types of human leukocyte antigen. Outline its role and significance in kidney transplantation. (10)
- 3B) What is the purpose of donor evaluation in kidney transplantation? Explain the operative procedure for kidney transplant recipients. (10)
- 3C) Discuss the types of induction therapy in kidney transplantation. (10)
- 3D) Illustrate the role of counselling and education in kidney transplantation. (10)
- 4A) Illustrate the long-term prognosis and concern in the kidney transplant recipient. (5)
- 4B) Describe the importance of warm and cold ischemia time in kidney transplantation. (5)
- 4C) Explain the significance of blood groups in kidney transplantation. (5)
- 4D) Define immune tolerance and write a note on its importance in kidney transplantation. (5)

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