

Question Paper

Exam Date & Time: 05-Jan-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. RRT & DT DEGREE EXAMINATION - JANUARY 2023
SUBJECT: RRT6101 - KIDNEY TRANSPLANTATION
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the evaluation procedure of a living donor for kidney transplantation. (20)
- 2) Explain innate immunity. Explain sensitisation and how to prevent it in prospective kidney recipients. (20)
- 3A) Explain Maastricht's classification and its importance. (10)
- 3B) Explain hyperacute rejection of kidney transplantation. (10)
- 3C) Explain triple-drug therapy and list the drugs used under this therapy. (10)
- 3D) List the immunological tests done pre-kidney transplant for the recipient. Explain the preoperative management of prospective kidney recipients in the hospital. (10)
- 4A) List the adverse effects of corticosteroids. (5)
- 4B) What is the importance of pre-kidney transplantation recipient counselling? List the post-kidney transplant donor evaluation tests. (5)
- 4C) What is delayed graft function? List the risk factors. (5)
- 4D) Explain the risk of CMV infection in the kidney transplant recipient. (5)

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Question Paper

Exam Date & Time: 07-Jan-2023 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER MSc (RENAL REPLACEMENT THERAPY & DIALYSIS TECHNOLOGY) DEGREE EXAMINATION -
JANUARY 2023

SUBJECT: RRT6102- NUTRITION AND PSYCHOSOCIAL ASPECTS IN KIDNEY FAILURE PATIENTS
(2021 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain the nutritional requirement and role of diet in the prevention and management of complications in chronic kidney disease patients with diabetes, hypertension, and bone disorder. (20)
- 2A) Classify malnutrition and explain its causes in kidney disease patients (10)
- 2B) List the common psychological problems in kidney failure patients. Explain the risk of kidney transplantation in patients with psychiatric problems. (10)
- 3A) Outline the role of proteins in healthy individuals. (5)
- 3B) Explain the importance of applied and medical nutrition in kidney failure patients. (5)

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Question Paper

Exam Date & Time: 09-Jan-2023 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. RENAL REPLACEMENT THERAPY AND DIALYSIS TECHNOLOGY DEGREE EXAMINATION -
JANUARY 2023

SUBJECT: RRT6011 - RENAL SUPPORTIVE CARE AND REHABILITATION
(2021 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) What are the rehabilitation interventions in persons with chronic kidney disease? Explain the provisions in Right of Persons with Disabilities Act 2016. (20)
- 2A) Explain the concept of active medical management of chronic kidney disease without renal replacement therapy. (10)
- 2B) Outline the various tools used during goals of care discussion for shared decision-making. (10)
- 3A) Define durable power of attorney for healthcare and limitation of life-sustaining treatment in relevance to palliative care. (5)
- 3B) Outline comorbidities indices and prognostic tools in renal supportive care. (5)

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Question Paper

Exam Date & Time: 09-Jan-2023 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER M.Sc. RENAL REPLACEMENT THERAPY AND DIALYSIS TECHNOLOGY DEGREE EXAMINATION -
JANUARY 2023

SUBJECT: RRT6021 - VASCULAR ACCESS AND KIDNEY TRANSPLANTATION PHYSICAL COUNSELLING
(2021 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Outline the procedure for counselling a hemodialysis patient with permanent vascular access and explain the importance of documentation in physical counselling. (20)
- 2A) Explain the recipients care required for pre and post kidney transplantation. (10)
- 2B) Outline the team members involved in transplant counselling and their role during kidney transplantation. (10)
- 3A) Explain the contraindications for creation of hemodialysis vascular access. (5)
- 3B) Outline the importance of immunosuppressive drugs. (5)

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