

Question Paper

Exam Date & Time: 17-Mar-2021 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. RRT & DT DEGREE EXAMINATION - MARCH 2021
SUBJECT: BDT 301 - RENAL TRANSPLANTATION AND HEMODIALYSIS GUIDELINES
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Illustrate the water treatment plant as recommended by the Indian Society of Nephrology. (20)
- 2) Explain the types of major histocompatibility antigens. Discuss the tests done to check kidney transplant compatibility. (20)
- 3) Describe acquired immunity with its special features. (10)
- 4) Write the heparinization protocols for hemodialysis recommended by the Indian Society of Nephrology. (10)
- 5A) Write a note on dialysis therapist professionalism. (5)
- 5B) Discuss the causes of sensitization. (5)
- 5C) List the functions of T cells. (5)
- 5D) Discuss the post-operative care of the donor. (5)
- 5E) What is the arteriovenous fistula rule of sixes? Why it is important? (5)
- 5F) What is Thymus? Explain its importance. (5)
- 6A) List the side effect of steroids. (2)
- 6B) Define brain stem death. (2)
- 6C) List the types of organ transplantation with examples. (2)
- 6D) Write the composition of hemodialysis dialysate. (2)
- 6E) Define graft rejection. (2)

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