

# Question Paper

Exam Date & Time: 12-Dec-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - DECEMBER 2019  
SUBJECT: BDT 301 - RENAL TRANSPLANTATION AND HEMODIALYSIS GUIDELINES  
(2016 SCHEME)

Thursday, December 12, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

### Answer all the questions.

- 1) Discuss living kidney donor transplant process. (20)
- 2) Discuss the advantages of kidney transplantation over dialysis and explain the kidney transplantation classification. (20)
- 3) Describe the hemodialysis area and dialyzer reprocessing area as recommended by ISN guide lines. (10)
- 4) Explain organ retrieval process in deceased donor kidney transplantation. (10)
- 5A) Discuss ethical and social issues related to dialysis. (5)
- 5B) Explain dialyzer reprocessing as per ISN guidelines. (5)
- 5C) What are the relative and absolute contraindications for live kidney donation? (5)
- 5D) List the functions of immune system. (5)
- 5E) Write a note on PRA. (5)
- 5F) Explain the Allen's and modified Allen's test recommended by ISN guide lines. (5)
- 6A) **Expand:**  
i) HLA ii) CDC (2)
- 6B) What are induction agents? (2)
- 6C) Define organ transplantation. (2)
- 6D) Write any two side effects of steroids. (2)
- 6E) What is preemptive transplant? (2)

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# Question Paper

Exam Date & Time: 13-Dec-2019 (02:00 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: BDT 303 - DIALYSIS TECHNOLOGY III

(2016 SCHEME)

Friday, December 13, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

### Answer all the questions.

- 1A) Explain mechanical complications of peritoneal dialysis and their effect on PD procedure. (20)
- 1B) Discuss the psychological and social complications of chronic kidney disease patients. (20)
- 2A) Explain diet prescription for chronic kidney disease individuals not on dialysis and its importance on disease condition. (10)
- 2B) Which anticoagulation technique is used for a dialysis patient in case of pericarditis? Explain the technique. (10)
- 3A) What are the modifications to be done in hemodialysis prescription to achieve the adequate dialysis? (5)
- 3B) Discuss the pathway of infection in peritonitis. (5)
- 3C) What is the role of education in chronic kidney disease condition? (5)
- 3D) Write a note on daily dietary recommendation for peritoneal dialysis patients. (5)
- 3E) What are the advantages and disadvantages of peritoneal dialysis? (5)
- 3F) Discuss the adverse effects of anticoagulation in hemodialysis patients. (5)
- 4A) Write any two causes for protein energy wasting in CKD patients. (2)
- 4B) What are the targeted Kt/V for HD and PD? (2)
- 4C) What are the common diet related complications seen in dialysis patients who are following vegetarian diet? (2)
- 4D) Which complications are commonly seen in high transporters? (2)
- 4E) What is dementia? (2)

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