

Question Paper

Exam Date & Time: 21-Apr-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. RRT & DT DEGREE EXAMINATION - APRIL 2022
SUBJECT: BDT 301 - RENAL TRANSPLANTATION AND HEMODIALYSIS GUIDELINES
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Define deceased donor transplantation. Discuss the types of deceased donor transplants. List the advantages and disadvantages of this type of transplantation. (20)
- 2) Explain measures taken in the dialysis unit for the prevention of infection. (20)
- 3) Explain the types of T cells and list their functions. (10)
- 4) Explain the specifications for the hemodialysis area and dialyzer reprocessing area as recommended by the Indian Society of Nephrology. (10)
- 5A) Discuss Allen's test with its importance. (5)
- 5B) Write a note on phagocytosis. (5)
- 5C) List the factors favouring clotting during hemodialysis. (5)
- 5D) Define crossmatch. Discuss the importance of cross-match in renal transplantation. (5)
- 5E) Write a note on expanded criteria donors in kidney transplantation. (5)
- 5F) Write a note on corticosteroids. (5)
- 6A) Define autoimmune disorder. (2)
- 6B) What is the use of 'bypass mode' during the hemodialysis? (2)
- 6C) Expand CDC. (2)
- 6D) Which materials are used to make the dialysis unit water distribution system? (2)
- 6E) List the complications of arteriovenous synthetic graft. (2)

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Question Paper

Exam Date & Time: 22-Apr-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. RRT & DT DEGREE EXAMINATION - APRIL 2022
SUBJECT: BDT 303 - DIALYSIS TECHNOLOGY III
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1A) | Compare hemodialysis and peritoneal dialysis and discuss the nutrition management in these treatment. | (20) |
| 1B) | What are the types of heparin commonly used in hemodialysis? Compare each other. | (20) |
| 2A) | Discuss the psychological issues in end stage renal disease. | (10) |
| 2B) | Describe renal nutrition education in kidney disease population. | (10) |
| 3A) | Discuss the advantages and disadvantages of regional heparinisation. | (5) |
| 3B) | List the complications of heparin free dialysis. | (5) |
| 3C) | Brief about dialysis adequacy. | (5) |
| 3D) | Discuss patient assessment in malnutrition. | (5) |
| 3E) | What are the strategies used in case of needle phobia? | (5) |
| 3F) | Discuss side effects of anticoagulation in hemodialysis. | (5) |
| 4A) | What is over nutrition? | (2) |
| 4B) | What you mean by caramelization in peritoneal dialysis? | (2) |
| 4C) | Define biocompatibility. | (2) |
| 4D) | Name any four biochemical markers for nutrition assessment. | (2) |
| 4E) | Write any two clinical features of peritonitis in peritoneal dialysis. | (2) |

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