

Question Paper

Exam Date & Time: 24-Feb-2020 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - FEBRUARY 2020
SUBJECT: BDT 301 - RENAL TRANSPLANTATION AND HEMODIALYSIS GUIDELINES
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the types, features and functions of immunity. (20)
- 2) Discuss MHCs and their role in organ transplantation. (20)
- 3) Define brain stem death. List the clinical examinations and confirmatory tests done to declare brain stem death. (10)
- 4) Discuss kidney transplant complications. (10)
- 5A) Explain the recommended ISN guide lines for dialysis machine. (5)
- 5B) Discuss the routes of sensitization in an organ recipient and how it affects transplantation. (5)
- 5C) What are the recommendations for dialysate used in hemodialysis? (5)
- 5D) How kidney transplantation improves the quality of life of chronic kidney disease patient? (5)
- 5E) Discuss the recommendation for automated and manual reprocessing. (5)
- 5F) Explain advantage and disadvantage of living donor kidney transplantation. (5)
- 6A) What is phagocytosis? (2)
- 6B) Write any two peripheral lymphoid organs. (2)
- 6C) Mention the types of organ transplantation. (2)
- 6D) What is allograft? (2)
- 6E) List the types of T cells. (2)

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Question Paper

Exam Date & Time: 25-Feb-2020 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - FEBRUARY 2020
SUBJECT: BDT 303 - DIALYSIS TECHNOLOGY III
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1A) | List the components of hemodialysis prescription. How the prescription varies from first, acute dialysis to regular dialysis? Explain. | (20) |
| 1B) | Discuss all possible complications associated with peritoneal dialysis and their management. | (20) |
| 2A) | Discuss diet in chronic renal failure. | (10) |
| 2B) | Explain psychological issues in renal failure. How patient education and counselling help in this regard? | (10) |
| 3A) | Discuss the advantages of hemodialysis modality over peritoneal dialysis. | (5) |
| 3B) | Write a short note on malnutrition in renal patients. | (5) |
| 3C) | What is dialysis adequacy? Discuss the factors affecting it. | (5) |
| 3D) | Compare regional heparinisation and tight heparinisation. | (5) |
| 3E) | Write the importance of diet in acute kidney injury. | (5) |
| 3F) | List the signs of extracorporeal circuit clotting. | (5) |
| 4A) | Give any four examples for carbohydrates. | (2) |
| 4B) | List any four complications of heparin. | (2) |
| 4C) | What is URR? | (2) |
| 4D) | Mention any four complications of saline dialysis. | (2) |
| 4E) | Write the use of injection protamine sulphate in hemodialysis. | (2) |

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