

Question Paper

Exam Date & Time: 31-Aug-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - AUGUST 2019
SUBJECT: BDT 204 - DIALYSIS TECHNOLOGY - II
(2016 SCHEME)
Saturday, August 31, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Discuss PET in peritoneal dialysis. (20)
- 2) Discuss softener and activated charcoal filter. How the treated water maintained in hemodialysis unit. (20)
- 3A) Explain the advantages and disadvantages of dialyzer reuse. (10)
- 3B) Define arteriovenous graft. List the types of arteriovenous graft. What are the advantages and disadvantages of arteriovenous graft? (10)
- 4A) What is Allen's test? Write its clinical significance. (5)
- 4B) Explain the complications of peritoneal catheter insertion. (5)
- 4C) Discuss the importance of pH of peritoneal dialysis fluid and GDPs. (5)
- 4D) What is arteriovenous fistula? Write a note on aneurysm. (5)
- 4E) Define hypotension during hemodialysis. Write the etiology. (5)
- 4F) Write a note on PD catheter cuffs. (5)
- 5A) What you mean by vascular access? (2)
- 5B) Draw a neat labelled diagram of coiled peritoneal dialysis catheter. (2)
- 5C) Define TCV. (2)
- 5D) What you mean by low transporter in peritoneal dialysis? (2)
- 5E) List cleaning agents used during the dialyzer reprocessing. (2)

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Question Paper

Exam Date & Time: 29-Aug-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT/ B.Sc. R.T./ B.Sc. M.I.T./ B.Sc. RRT&DT / BOPT / B.O.T. DEGREE EXAMINATION - AUG/SEPT 2019

SUBJECT : PHARMACOLOGY (PHAR 202)
(2016 SCHEME)

Thursday, August 29, 2019 (14.00 - 16.00)

Answer ALL questions.

Marks: 50

Duration: 120 mins.

1) Define the following terms with an example:

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|-----|------------------------|-----|
| 1A) | Generic name | (2) |
| 1B) | Local anaesthetics | (2) |
| 1C) | First pass metabolism | (2) |
| 1D) | Bactericidal drug | (2) |
| 1E) | Competitive antagonism | (2) |

Answer all the questions.

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|-----|--|-----|
| 2A) | Enumerate two anticholinesterases. List two uses and two adverse effects of them. | (3) |
| 2B) | List two parenteral routes of drug administration and mention two advantages and two disadvantages of any one of them. | (3) |
| 2C) | Explain the basis for combining levodopa with carbidopa. | (2) |
| 2D) | Mention two classes of anti-hypertensive drugs with an example for each. | (2) |
| 3A) | Enumerate three classes of drugs used in peptic ulcer with an example for each and explain the mechanism of action of any one of them. | (5) |
| 3B) | List two classes of anti HIV drugs with an example for each. Explain the mechanism of action of acyclovir and mention its two adverse effects. | (5) |
| 3C) | List two NSAIDs and explain their anti-inflammatory action. List two uses and two contraindications of any one of them. | (5) |
| 3D) | Enumerate two corticosteroids and explain their immunosuppressant action. List two uses and two adverse effects of corticosteroids. | (5) |

4) List two examples and two uses of the following groups.

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|-----|-------------------|-----|
| 4A) | Aminoglycosides | (2) |
| 4B) | Anticoagulants | (2) |
| 4C) | Antifungal agents | (2) |

- 4D) Antiemetics (2)
- 4E) Antihistaminics (2)

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Question Paper

Exam Date & Time: 30-Aug-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. C.V.T./ B.Sc. R.T./ B.Sc. M.I.T./ B.Sc. RRT&DT / BOPT / B.O.T. / B.Sc. H.I.M. / B.Sc. E.S.S.
DEGREE EXAMINATION - AUG/SEPT 2019
SUBJECT : GENERAL PSYCHOLOGY/ PSYCHOLOGY (PSYC 202)
(2016/2016 RV SCHEME)
Friday, August 30, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1) | Explain the types and any two theories of Emotion. | (10) |
| 2) | Define Perception. Describe the laws of perception with examples. | (10) |
| 3A) | Observation method | (5) |
| 3B) | Long Term Memory | (5) |
| 3C) | Any five Defense mechanisms | (5) |
| 3D) | Moral development | (5) |
| 4A) | Reinforcement | (2) |
| 4B) | Flynn effect | (2) |
| 4C) | Availability heuristic | (2) |
| 4D) | Projective test | (2) |
| 4E) | Primary motives | (2) |

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