

Question Paper

Exam Date & Time: 04-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. (RRT & DT) DEGREE EXAMINATION - MAY/JUNE 2019
SUBJECT: BDT 204 - DIALYSIS TECHNOLOGY - II
(2016 SCHEME)
Tuesday, June 04, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1A) Define vascular access. Write the differences between two types of permanent vascular access and discuss chronic complications of any one type. (20)
- 1B) Describe any four complications during hemodialysis. (20)
- 2A) Write the types of needling techniques. Write a note on any two. (10)
- 2B) Discuss dialyzer reprocessing. (10)
- 3A) Write any five causes for blood loss during hemodialysis. (5)
- 3B) Expand PET. Write a note on it. (5)
- 3C) What is deionizer? How it differs from water softener? (5)
- 3D) What is Allen's test? Write its clinical significance. (5)
- 3E) List the acute complications of dialysis central venous catheters. Explain any one. (5)
- 3F) Write a note on heat sterilization of dialyzer. (5)
- 4A) Expand DDS. (2)
- 4B) Write a short note on functions of PD catheter cuffs. (2)
- 4C) Name the main three types of impurities in the untreated water. (2)
- 4D) What is hemolysis? (2)
- 4E) Expand ACF. It works on which mechanism? (2)

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Question Paper

Exam Date & Time: 28-May-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT/ B.Sc. C.V.T./ B.Sc. R.T./ B.Sc. M.I.T./ B.Sc. RRT&DT / BOPT / B.O.T./ B.Sc. P.F.T. DEGREE
EXAMINATION - MAY/JUNE 2019
SUBJECT : PHARMACOLOGY (PHAR 202)
(2016 SCHEME)
Tuesday, May 28, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) List two classes of skeletal muscle relaxants with an example for each. (2)
- 1B) List two opioids and mention their two uses. (2)
- 1C) List two inhalational and two intravenous general anesthetics. (2)
- 1D) List two uses and two adverse effects of corticosteroids. (2)
- 1E) List two oral antidiabetic drugs and mention two adverse effects of insulin. (2)
- 2A) List four anti-tubercular drugs. (2)
- 2B) **Define the following with one example:** (8)
i) Teratogenicity
ii) Local anesthetics
iii) Chemoprophylaxis
iv) First pass metabolism
- 3A) Explain the mechanism of action of paracetamol and list its two uses. Mention two differences between aspirin and paracetamol. (5)
- 3B) List three classes of drugs with an example for each used in peptic ulcer. Explain the mechanism of action of any one class. (5)
- 3C) List two advantages and two disadvantages each of sublingual and intravenous routes of drug administration. Mention one drug each administered by sublingual and intravenous routes. (5)
- 3D) Mention two anticoagulants and explain the mechanism of action of any one of them. List two uses and two adverse effects of anticoagulants. (5)
- 4) **Give two examples and two uses for the following class of drugs:**
- 4A) Beta blockers (2)
- 4B) Antihistaminics (2)
- 4C) Beta lactam antibiotics (2)
- 4D) Benzodiazepines (2)
- 4E) ACE inhibitors (2)

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Question Paper

Exam Date & Time: 31-May-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.
AND SECOND SEMESTER B.Sc. M.R.T. DEGREE EXAMINATION - MAY/JUNE 2019
SUBJECT : GENERAL PSYCHOLOGY/ PSYCHOLOGY (PSYC 202)
(2016/2016 RV SCHEME)
Friday, May 31, 2019 (14.00 - 16.00)

Answer ALL questions.

Marks: 50

Duration: 120 mins.

Write essays on:

- 1) Explain Classical conditioning along with its applications. (10)
- 2) Elaborate on any two theories of motivation. (10)

3) Write short notes on:

- 3A) Perceptual organization (5)
- 3B) Heuristics (5)
- 3C) Defence mechanisms (5)
- 3D) Types of conflicts (5)

4) Write very short answers on:

- 4A) Introspection (2)
- 4B) Shaping (2)
- 4C) Frustration (2)
- 4D) IQ (2)
- 4E) Fine motor skills (2)

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