

Question Paper

Exam Date & Time: 26-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. PFT/B.OPTOMETRY/BPT/B.Sc. RRT & DT DEGREE EXAMINATION - MAY 2022
SUBJECT: PHAR 202 - PHARMACOLOGY
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) Define bioavailability. (2)
- 1B) Enumerate four factors affecting drug absorption. (4)
- 1C) Mention two advantages and two disadvantages of oral route of drug administration. (4)
- 2A) Mention four types of adrenergic receptors and their distribution. (4)
- 2B) Enumerate two adrenergic drugs and mention two uses of any one. (2)
- 2C) Name four beta blockers. Mention two uses and two adverse effects for the same. (4)
- 3A) List two local anesthetics and two general anaesthetics. Describe three complications of general anaesthesia. (5)
(2+3 = 5 marks)
- 3B) Mention four uses, two adverse effects and two contraindications for morphine. Which is the antidote for morphine poisoning? (5)
(2+2+1 = 5 marks)
- 3C) Write the mechanism of action of cotrimoxazole. Mention two uses and two adverse effects. (5)
(3+2 = 5 marks)
- 3D) Enumerate four drugs used in bronchial asthma. Write the mechanism of action and two adverse effects of any one. (5)
(2+2+1 = 5 marks)

4. Write two uses and two adverse effects for the following:

- 4A) Furosemide (2)
- 4B) Aspirin (2)
- 4C) Dexamethasone (2)
- 4D) Warfarin (2)
- 4E) Enalapril (2)

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Question Paper

Exam Date & Time: 28-May-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. RENAL REPLACEMENT THERAPY AND DIALYSIS TECHNOLOGY DEGREE EXAMINATION -
MAY 2022

SUBJECT: PSYC202 - GENERAL PSYCHOLOGY
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Write Essays On:

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|----|---|------|
| 1) | Describe any two methods of Psychology | (10) |
| 2) | Discuss the trait approach in Personality | (10) |

3. Write Short Notes On:

- | | | |
|-----|--------------------------------------|-----|
| 3A) | Drive reduction theory of motivation | (5) |
| 3B) | Two factor theory of Intelligence | (5) |
| 3C) | Short term memory | (5) |
| 3D) | Monocular cue | (5) |

4. Write very short answers on:

- | | | |
|-----|----------------|-----|
| 4A) | Parapsychology | (2) |
| 4B) | Punishment | (2) |
| 4C) | Attention | (2) |
| 4D) | Chunking | (2) |
| 4E) | Schemas | (2) |

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Question Paper

Exam Date & Time: 30-May-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. RENAL REPLACEMENT THERAPY & DIALYSIS TECHNOLOGY DEGREE EXAMINATION -
MAY/JUNE 2022
SUBJECT: BDT 204 - DIALYSIS TECHNOLOGY - II
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Draw a neat diagram of coiled peritoneal dialysis catheter. Explain the types of peritoneal dialysis catheters. (20)
- 2) Explain importance and functions of pretreatment system of water treatment plant. Write the maintenance process of this system. (20)
- 3) Why arteriovenous fistula is the best among the other types of vascular access? Discuss the needling technique. (10)
- 4) Discuss performance testing during dialyzer reprocessing. (10)
- 5A) Write the differences between acute and chronic peritoneal dialysis access. (5)
- 5B) What is PET? What are the frequent problems associated with PET? (5)
- 5C) List the acute complications of dialysis central venous catheters. Explain any one. (5)
- 5D) List the cleaning agents used for dialyzer reprocessing and write their concentration and clinical use. (5)
- 5E) What is steal syndrome? Write the causes and clinical features. (5)
- 5F) Write a note on non dextrose peritoneal solutions. (5)
- 6A) What is reverse osmosis? (2)
- 6B) Expand DDS. (2)
- 6C) Write the composition of renalin. (2)
- 6D) What do you mean by high transporter in peritoneal dialysis? (2)
- 6E) Define ultrapure water. (2)

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